



Enhanced DCON Mitt

The Enhanced DCON Mitt integrates decontamination technology with conventional highly absorptive microfiber in a dual sided mitt. Microfiber continues to be a low cost tool for decontamination. Typically used for absorption and removal of contamination. It is also routinely combined with other chemistries to provide neutralization in addition to removal.

The Enhanced DCON Mitt adds the neutralization benefit with the ability to integrate decontamination chemistries to the mitt. The current enhanced DCON is configured with Fuller's Earth. Fuller's Earth is currently used by militaries and civil emergency services to decontaminate skin, clothing and equipment; it is ideal for direct application onto chemical protective clothing (CPC), equipment and vehicles.



The Enhance DCON Mitt includes the decontaminant placed in between a microfiber layer and a chemical barrier on one side; the other side of the mitt is without the powder and used for additional wiping of surfaces. The decontaminant-microfiber side allows the bulk contaminants to be absorbed by the microfiber and the neutralized by the decontaminant. The mitt is meant to release a small amount of decontaminant which provides visual clues where contamination is present. The basic design of the mitt allows the mitt to be easily updated with new technologies to meet emerging threats. The design can easily be adapted based upon operator need without requiring re-training.

The Enhanced DCON Mitt will be available in two configurations:

- one integrated with Fuller's Earth and
- one integrated with Zirconium Hydroxide.

In the near future, the microfiber will be enhanced with the decontaminant embedded in the microfiber fabric.

The Enhanced DCON Mitt has a extended shelf life (greater than 5 years) and is not impacted by temperature extremes. The capability is used direct from the package and is a "dry decon" technology. It is rapidly deployable making it extremely effective for down range requirements. The enhanced DCON Mitt is made in the USA and is Berry Amendment compliant.

Recently, metal-organic framework chemistries present potential benefits for future inclusion in our "decontamination toolbox". As we have learned over time, the silver bullet of decontamination does not exist, but a toolbox of technologies can meet the requirements in the field. The Enhanced DCON Mitt provides an integrated solution that can play a role in the toolbox and continue to be updated to combat emerging threats and maintain operation readiness.

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