

The silent danger

During an incident, your personal protection equipment can become contaminated by fire residues and hazardous substances. Depending on the source, it is referred to as internal or external contamination.

The transmission of external contamination poses serious health risks.

In the event of a fire incident, a fine film of hazardous substances deposits on your personal protective equipment. These pollutants are dangerous and have long-term effects when they adhere to soot particles from fire smoke. Professional cleaning prevents this danger from being carried over to the workshop or the next mission.

+30%

Studies suggest that firefighters have a 30% increased risk of developing certain types of cancer, including testicular and prostate cancer, compared to the general population.

400x

Immediately after an incident, the risk of hazardous substances penetrating through your skin is around 400 times higher than normal.

During use, the body temperature rises up to 38 – 39 degrees. As a result, this opens the skin's pores to cool you down. The open pores are then the ideal gateway for all kinds of harmful substances such as soot, polycyclic aromatic hydrocarbons or benzene.

Eliminating internal contamination.

Proper cleaning removes not only the external but also a large part of the internal contamination. Microbes are reduced by up to 99.9% so that your personal protection equipment can be reused without risk. Additional disinfection is only necessary in special situations such as a pandemic.

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