



## Who Are We?

FAST-ACT is a proprietary formulation of safe earth minerals capable of neutralizing, adsorbing, or containing a wide range of chemical threats.

### Decontaminate + Contain + Neutralize

#### No Hazard Identification Required

- Works on Acids, Bases, and Organic and Halogen compounds
- Toxic Industrial Chemicals (TICs) & Toxic Industrial Materials (TIMs)

#### Minimal Training Required

- All units are ready-to-use, no premixing or preparation
- Easy-to-use

#### Fast

- Immediately neutralizes, adsorbs or contains on contact

#### Safe

- Non-toxic, non-corrosive, non-flammable, environmentally friendly

## Combat Wipes

The FAST-ACT® Combat Wipes can be directly applied to hard surfaces for trace chemical removal and adsorption/neutralization. The user will apply the wipe to the surface and begin to move it in a circular motion to come into contact with the trace contamination.

FAST-ACT® can be safely applied where known or unknown chemicals are a potential threat.

### Typical Applications Include:

- Use for a variety of surface contamination applications such as hard surfaces, vertical surfaces, and quick clean up situations.
- Use on gear or equipment that may have come into contact with or been exposed to chemical agents or pollution.
- Use in combination with FAST-ACT® decontamination mitts to remove surface contamination.

The FAST-ACT® Combat Wipes, used in combination with FAST-ACT® mitts, were tested under field conditions and challenged with HD, and VX, using them on metal plates contaminated with the equivalent of 10g/m<sup>2</sup>.

The residual contamination density was 0µg/cm<sup>2</sup> (HD) and 0 µg/cm<sup>2</sup> (VX)



# Combat Wipes Specifications

Made of:	100% rayon
Dimensions of wipe:	10" x 12"
Individually Packaged	

\*Due to continual product development, descriptions and specifications are subject to change without prior notification and such details must not be used for contractual purposes.



## Tested & Verified By:



## Testing

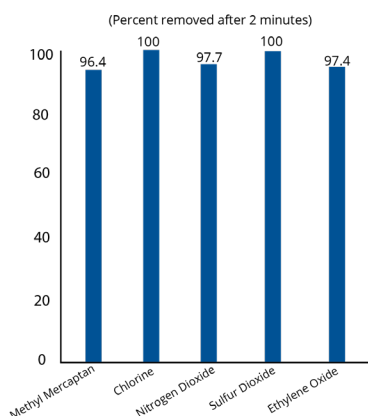
### Battelle Surface Decontamination Testing

The objective of Battelle testing was to determine surface removal ability and reactivity of FAST-ACT<sup>®</sup> by measuring the reduction in chemical warfare agents under ambient conditions. An inert surface (glass) was spiked with CWA, FAST-ACT<sup>®</sup> was applied to the surface and mixed/agitated with the agent. After 90 seconds the powder was removed from the surface, the surface extracted with an organic solvent, and the amount of agent in the extract determined by GC/FID. After 10 minutes for VX and GD and 60 minutes for HD, the powders were extracted and the amount of extracted agent quantified by GC-MS.

### Results

Within 90 seconds FAST-ACT<sup>®</sup> removed over 99.9% of HD and VX and over 99.6% (detection limit) of GD from the surface as indicated in the graph below. Over time the adsorbed agents were destroyed by FAST-ACT<sup>®</sup>.

### Effectiveness of FAST-ACT Towards Vapor Hazards



### Effectiveness of FAST-ACT Towards Liquid Hazards

