

# **Detecting Industrial Chemical Threats**

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## **Chameleon “Grab and Go” Detection**

According to the Environmental Protection Agency (EPA), in the United States there are approximately 15,000 facilities, including about 2,000 water systems, which store more than the threshold quantities of hazardous chemicals necessary to trigger EPA regulation. A "worst-case" chemical release from any one of 123 such facilities could expose more than 1,000,000 people to toxic gases. Clearly, industrial chemicals are truly weapons of mass destruction and have been used by terrorists in the past (ie. chlorine cylinders attached to IEDs in Iraq, acetone-peroxide (TATP) in the London Bombings July '05 and high-jacked fuel tankers in Iraq, July '04 and July '05). Widely produced, transported and toxic, make industrial chemicals particularly attractive to terrorists.

The ability to monitor multiple chemical threats on a single platform is essential to protect First Responders. Morphix Technologies, an innovator in the field of color change technology, developed the Chameleon for the detection of hazardous industrial chemicals. Morphix Technologies now provides the Chameleon Starter Kits (HazMat and Clan Meth) in a hard plastic carrying case. The case is modular to allow expansion of the Chameleon Starter system from 50 cassettes to 100 cassettes; thus allowing the user to have easy access to detection of more threats in a small lightweight package for easy “grab and go” detection.

The Chameleon is field-configurable chemical detection that provides a low-cost, easy-to-use, accurate solution for first responders and emergency personnel. The rugged design allows for use in harsh environments including arctic, tropic and desert conditions. The Chameleon can even be immersed in water! Unlike other available colorimetric technologies, the Chameleon detects chemical hazards in the air and does not require a liquid sample.

For more information, please call 1-800-808-2234 or contact  
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