

# NEWS For Immediate Release

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Contact: Tanja Baines

## New Chameleon Chemical Detection Cassettes for Diborane and Hydrazine

According to the U.S. Department of Justice, *National Institute of Justice*, "Guide for the Selection of Chemical Agent and Toxic Industrial Material Detection Equipment for Emergency First Responders NIJ Guide 100-00", Toxic Industrial Chemicals (TIC) are not as lethal as the highly toxic nerve agents, their ability to make a significant impact on the populace is assumed to be more related to the amount of chemical a terrorist can employ on the target(s) and less related to their lethality. None of these compounds are as highly toxic as the nerve agents, but they are produced in very large quantities (multi-ton) and are readily available; therefore, they pose a far greater threat than chemical agents. Diborane and hydrazine are designated as high risk toxic industrial chemicals. Diborane is used in rocket propellants, as a rubber vulcanizer, and as a doping agent and intermediate for the production of semiconductors. Hydrazine is used predominantly as a fuel for rocket and jet engines and in the manufacturing of pharmaceuticals. Hydrazine salts are used in refining and as corrosion inhibitors.



The Chameleon is the easiest to use multi-chemical detection device available on the market today. It is extremely lightweight (<0.25 lbs.) and field configurable, which means that you can load one chemical cassette if you know the specific threat or fill the armband with ten different cassettes for unknown environments. The reusable

armband is designed to be worn around the forearm and fits over everything from bare arms to turnout gear to Level A suits. Up to ten disposable sensors at a time can be inserted into the armband. The chemical cassettes are water resistant with a twenty-four hour service life and a two-year shelf life. The ease of use is clear – if the sensor window is one color – you are safe. If you see two colors in the sensor window, then the chemical is there. (You just received all the training you need to use this product.)

Since this product was developed for the Marine Corps, it is very low cost. We know that First Responders have very limited budgets and want to provide a cost effective tool to best utilize their Homeland Security Grant funds. Please contact us for additional information about the Chameleon at 800-808-2234 and/or check out our website at [www.morphtec.com](http://www.morphtec.com).

For free literature, call 1-800-808-2234 or contact:  
Morphix Technologies 2557 Production Road, Virginia Beach, VA 23454.  
Phone: 757-431-2260; Fax: 757-431-2255;  
e-mail: Tanja Baines at [tbaines@morphtec.com](mailto:tbaines@morphtec.com)  
web site: [www.morphtec.com](http://www.morphtec.com)