



Morphix Technologies®

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IMMEDIATE RELEASE

**MORPHIX TECHNOLOGIES® NEW CHAMELEON® NITROGEN DIOXIDE CASSETTE
ALERTS FIRST RESPONDERS AND FIRE FIGHTERS TO THE PRESENCE OF THE TOXIC CHEMICAL
DURING AND AFTER FIRES**

VIRGINIA BEACH, VA (April 2013) [Morphix Technologies®](http://www.morphixtech.com), an innovator in the science of colorimetric detection devices for dangerous chemical gases, has developed a nitrogen dioxide sensor cassette for the *Chameleon®* Detection Kit. The nitrogen dioxide sensor detects small amounts of this noxious and toxic chemical before it can cause illness or fatality.

Nitrogen dioxide is a common toxic gas with a reddish brown color and a sharp biting odor. It is prominently found in air pollution and is produced by internal combustion engines, thermal power stations and even within household kerosene and gas heaters. But the most toxic forms of nitrogen dioxide are the result of building fires: residential and commercial. Nitrogen dioxide is inhaled during a fire scenario and the victim's symptoms do not usually become apparent until sometime after the incident. Symptoms include burning and itching eyes and throat, heaviness in chest or difficulty breathing. In severe cases of poisoning, the victim can suffer from fatal lung edema.



The nitrogen dioxide sensor developed by Morphix Technologies is part of an easy-to-use, low-cost *Chameleon®* Detection Kit to be used alone or in addition to hazardous chemical protective suits and masks to identify dangerous levels of nitrogen dioxide and other toxic chemicals during or after a residential, commercial or industrial fire. All *Chameleon®* kits are designed for an easy on / easy off fit on the wearer's forearm and can be worn over most turn-out gear or level-A suits.

The nitrogen dioxide sensor will change color when the toxic gas is present and requires no power source or calibration. Unlike current colorimetric detection systems, the *Chameleon®* is designed to military standards for use in a wide variety of operating environments. It can be used in desert heat, arctic cold or tropical conditions and can even be immersed in water.

For more information on any of the *Chameleon®* Detection Kits visit www.morphixtech.com.

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About Morphix Technologies®:

Morphix Technologies®, located in Virginia Beach, Virginia, is an ISO 9001:2008 certified company developing and manufacturing products that detect invisible dangers in order to save lives. Morphix Technologies has taken innovation to the next level with high-quality, easy-to-use, cost effective simple colorimetric sensor technology for military, first responders, emergency, homeland security and industrial personnel. The latest product, the *Chameleon*®, a wearable device that allows hands-free detection of up to ten different hazards at one time in a variety of operating environments, has provided their customers whose job is often in Harm's Way, a lifesaving, early response system like no other on the market today. www.morphitec.com

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