



**Operating Instructions**  
**Toluene Diisocyanate (TDI) Cassette**  
**(Part Number: 084068)**

**Applications:**

The Chameleon is the only hands-free, power-free, chemical detector for gases and vapors **in air**, allowing First Responders, Firefighters, EMS, Police Officers and Military to detect the presence of hazardous chemicals. No liquid sample required. The Chameleon may even be immersed in salt water or fresh water without affecting its performance. Developed under funding by the United States Marine Corps, the Chameleon is ideal for users to screen unknown hazards in their environment.

Toluene Diisocyanate (TDI) is a common industrial chemical. It is used in numerous industries that manufacture polyurethane foams and other elastomers. Foaming operations are common in automobile, truck liner, furniture and other industries. TDI exposure can occur from industrial accidents or from accidents during transportation. It has been reported that TDI could be released from burning polyurethane foam or other materials.

**Specifications:**

The chemical sensor in the Toluene Diisocyanate (TDI) cassette shows an easy to see color change. Half of the sensor window will change color as shown in the example below:



Unexposed                      Exposed

Description	Concentration	Reaction Time
TDI	1.2 ppm	3 - 4 minutes

**Operating Instructions:**

1. Expiration date marked on packaging is based on storage at or below 77°F/25°C. Storage at higher temperatures reduces shelf life.
2. Product shelf life when stored at 122°F/50°C is thirty days.
3. At time of use - remove cassette from its protective pouch.
4. Holding cassette with text facing up, slide cassette into Chameleon armband until the cassette firmly snaps into the armband.
5. Periodically view the cassette to observe color change in half of the sensor window.
6. Discard cassette after color change is observed or after 4 hours of use.
7. DO NOT expose the TDI cassette to direct sunlight for more than 1 hour.
8. DO NOT use cassette beyond 4-hour service life.

WARRANTY EXCLUSIONS AND LIMITATION OF LIABILITY

IF THE USER DOES NOT ACCEPT THE FOLLOWING TERMS, THE USER SHOULD NOT USE THE CHAMELEON CASSETTE AND ARMBAND.

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Warning: Keep out of reach of children, if ingested seek medical attention immediately.

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