

## ChemLogic® Legacy Long-Life Hydride Cassettes

ChemLogic Legacy Long-Life Hydride Cassettes are designed to be selective, quick responding and highly sensitive to target gases. They are designed to detect Arsine, Phosphine, Silane, Diborane, Germane, Hydrogen Sulfide, and Hydrogen Selenide.

In addition to the target gases listed above, other substances that will react to ChemLogic Legacy Hydride Cassettes include:

|  |                                       |  |
|--|---------------------------------------|--|
| Arsine (AsH <sub>3</sub> )                 | Phosphine (PH <sub>3</sub> )          | Diborane (B <sub>2</sub> H <sub>6</sub> )          |
| Germane (GeH <sub>4</sub> )                | Hydrogen Selenide (H <sub>2</sub> Se) | Hydrogen Sulfide (H <sub>2</sub> S)                |
| Phosphine (PH <sub>3</sub> )               | Silane (SiH <sub>4</sub> )            | Dichlorosilane (SiH <sub>2</sub> Cl <sub>2</sub> ) |
| Disilane (Si <sub>2</sub> H <sub>6</sub> ) | Stibine (SbH <sub>3</sub> )           | Trichlorosilane (SiHCl <sub>3</sub> )              |

Dichlorosilane will also react. However, the ChemLogic Mineral Acids Cassette is recommended to achieve optimal results.

### ChemLogic Legacy Hydride Cassettes will NOT respond to:

|                   |                |                   |                   |
|-------------------|----------------|-------------------|-------------------|
| Acetic Acid       | Chloroformates | Hydrogen Cyanide  | Phosgene          |
| Acetone           | Ethanol        | Hydrogen Peroxide | Phosphoric Acid   |
| Acetylene **      | Ethylene Oxide | Isopropyl Alcohol | Sulfur Dioxide    |
| Acids             | Freons         | Isocyanates       | Sulfuric Acid     |
| Amines            | Glycols        | Ketones           | Toluene           |
| Ammonia           | Hexane         | Methane           | Trichloroethane   |
| Boron Trifluoride | Hydrazine      | Methanol          | Trichloroethylene |
| Carbon Monoxide   | Hydrocarbons   | Nitrogen Oxides   | Toluene           |
| Chlorine          | Hydrogen       | Ozone             | Velcorin          |

\*\* Percent levels of commercial grade acetylene may react on the Hydride Cassette due to impurities