

GAS PRODUCTS FOR SPECIAL APPLICATIONS

LEAK DETECTION MIXTURES

These mixtures are used with instruments dedicated to the detection of the minor component. In this method, very minute leaks in gas delivery system can be detected.

| COMPONENTS | CYLINDER SIZE | CONTENT | PRESSURE PSIG | CGA CONN. |
|---|---------------|--|---------------|-----------|
| 0.5%-10% Helium Balance Nitrogen | 044 016 | 6.0 m ³ 2.3 m ³ | 2000 2000 | 580 |
| 50 ppm-3% Halocarbon 12 Balance Nitrogen | 044 016 | 6.0 m ³ 2.3 m ³ | 2000 2000 | 580 |
| 50 ppm-5% Sulfur Hexafluoride Balance Nitrogen | 044 016 | 6.0 m ³ 2.3 m ³ | 2000 2000 | 580 |

FLAME RESISTANCE OF CLOTH TEST MIXTURE

This cloth test gas mixture is manufactured for flammability testing of textile products by Federal Test Method 5903.2. The normal specific gravity of the mixture is 0.38 and the normal heat of combustion is 534 BTU/CU.FT.

| COMPONENTS | CYLINDER SIZE | CONTENT | PRESSURE PSIG | CGA CONN. |
|--|---------------|--|---------------|-----------|
| 3% Ethane, 18% Carbon Monoxide, 24% Methane, Balance Hydrogen | 044 016 | 4.9 m ³ 1.7 m ³ | 1650 1650 | 350 |

ELECTRON CAPTURE GAS MIXTURE

These mixtures are used as carrier gases for gas chromatography utilizing an electron capture detector (ECD).

| COMPONENTS | CYLINDER SIZE | CONTENT | PRESSURE PSIG | CGA CONN. |
|---|---------------|--|---------------|-----------|
| ULTRAPURE P-5 ¹ 5% Methane, Balance Argon | 044 016 | 6.4 m ³ 2.3 m ³ | 2000 2000 | 350 |
| 8.5% Hydrogen Balance Helium ² | 044 016 | 4.6 m ³ 1.7 m ³ | 1500 1500 | 350 |

1. The mixture is tested and certified for the use with Hall detectors ECD.
2. This mixture is also used in Thermal Conductivity Detector (TCD).