

# 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 <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	580
50 ppm-3% Halocarbon 12 Balance Nitrogen	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	580
50 ppm-5% Sulfur Hexafluoride Balance Nitrogen	044 016	6.0 m <sup>3</sup> 2.3 m <sup>3</sup>	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 <sup>3</sup> 1.7 m <sup>3</sup>	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 <sup>1</sup> 5% Methane, Balance Argon	044 016	6.4 m <sup>3</sup> 2.3 m <sup>3</sup>	2000 2000	350
8.5% Hydrogen Balance Helium <sup>2</sup>	044 016	4.6 m <sup>3</sup> 1.7 m <sup>3</sup>	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).