

# Methane

A colorless, odorless, tasteless, flammable gas

## TECHNICAL INFORMATION

Chemical Symbol	CH <sub>4</sub>
Molecular Weight	16.04
Specific Volume	23.7 ft <sup>3</sup> /lb (1.47 m <sup>3</sup> /kg)
CAS Registry Number	74-82-8

## SHIPPING INFORMATION

DOT Proper Name	Methane, Compressed
Hazard Class	2.1
ID Number	UN 1971
Labels	Flammable Gas

## CYLINDER SIZES AVAILABLE

Std. Cylinder Sizes*	Contents	Cylinder Pressure (PSIG)	CGA Valve Connection
300	356	2400	350
200	260	2000	350
80	88	2000	350

\*Nonstandard cylinder sizes available upon request

## Specifications Subject to Change Call to Confirm

Grade	Purity	Impurity	Specifications	Equipment Recommended
5.0 Research	99.999%	O <sub>2</sub> H <sub>2</sub> O N <sub>2</sub> CO <sub>2</sub> C <sub>2</sub> H <sub>6</sub> C <sub>2</sub> H <sub>4</sub> C <sub>3</sub> H <sub>8</sub> C <sub>3</sub> H <sub>6</sub> CO	<1ppm <1ppm <4ppm <3ppm <2ppm <1ppm <1ppm <1ppm <1ppm <1ppm	3101-3201
3.7 Ultra High Purity	99.97%	O <sub>2</sub> H <sub>2</sub> O N <sub>2</sub> CO+CO <sub>2</sub> H <sub>2</sub> C <sub>n</sub> H <sub>m</sub>	<15ppm <5ppm <100ppm <10ppm <10ppm <100ppm	3101-3201
2.0	99.0%	O <sub>2</sub> H <sub>2</sub> O N <sub>2</sub> CO <sub>2</sub>	<50ppm <10ppm <2,000ppm <100ppm	3101-3201
1.3	93.0%			3101-3201

This information in no way replaces the Safety Data Sheets (SDS) for use and safety standards.  
Please refer to the SDS for details.

Middlesex Gases & Technologies, Inc.  
292 Second Street  
PO Box 490249  
Everett, MA 02149

(800) 649-6704 or (617) 387-5050  
www.MiddlesexGases.com  
Info@MiddlesexGases.com