

# Ethane C<sub>2</sub>H<sub>6</sub>

Synonyms: Ethyl Hydride, Methyl Methane

### Physical Constants of Gas

Molecular Weight ..... 30.07  
 Specific Volume ..... 12.8 CF/lb. (0.79 m<sup>3</sup>/kg)  
 Boiling Point ..... -127.53°F (-88.63°C) 1 atm  
 Gas Density 70°F 1 atm ..... 1.282 kg/m<sup>3</sup>

### Cylinder Data

CGA Valve Outlet ..... 350, 724  
 LB CGA Outlet ..... 110, 170

### Shipping Data

Shipping Class ..... 70  
 DOT/TC Name ..... Ethane  
 DOT/TC Class ..... 2.1 (Flammable Gas)  
 WHMIS Class ..... AB1  
 DOT Label ..... Flammable Gas  
 CAS Registry No. ....74-84-0  
 UN No./ATA No. .... UN1035

### Safety Information

Flammable liquid and gas under pressure.  
 Flammability limits: lower 3%; upper 12.4%.  
 Can form explosive mixture with air.  
 May cause anesthetic effects.  
 May cause frostbite.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
CHEMGAZ 2	99.98%	44	32	15	543	37	146	66	Two-Stage Regulator	
		16	12	6	543	37	75	34	Q1-318B-350	270
		LB	0.3	0.1	543	37	6	3	Single-Stage Regulator	
									Q1-3300B-350	270
									LB Regulator	
									Q1-20B-170	294
									LB Control Valve	
									Q1-30B	332
CHEMGAZ 1	99.5%	44	32	15	543	37	146	66	Two-Stage Regulator	
		16	12	6	543	37	75	34	Q1-211B-350	269
		LB	0.3	0.1	543	37	6	3	Q1-209A-350	268
									Single-Stage Regulator	
									Q1-205B-350	269
									Q1-202B-350	268
									LB Regulator	
									Q1-20B-170	294
									LB Control Valve	
									Q1-30B	332

Tube trailer quantities of ethane are available, as well as deuterated compounds on request – contact your Air Liquide representative for more information.

Need advice on SCOTT™ equipment to safely deliver gas to your point-of-use? Call our Solutions Center at 800.217.2688.