

# cis-2-Butene C<sub>2</sub>H<sub>8</sub>

Synonym: Dimethylethylene

### Physical Constants of Gas

Molecular Weight ..... 56.11  
 Specific Volume ..... 6.7 CF/lb. (0.42 m<sup>3</sup>/kg)  
 Boiling Point ..... 38.69°F (3.72°C) 1 atm  
 Gas Density 70°F 1 atm ..... 2.442 kg/m<sup>3</sup>

### Cylinder Data

CGA Valve Outlet ..... 510  
 LB CGA Outlet ..... 170

### Shipping Data

Shipping Class ..... 70  
 DOT Name ..... Liquefied Gas, Flammable, n.o.s.  
 TC Name ..... Butylene  
 DOT/TC Class ..... 2.1 (Flammable Gas)  
 WHMIS Class ..... AB1  
 DOT Label ..... Flammable Gas  
 CAS Registry No. .... 590-18-1  
 UN No./ATA No. .... UN1012

### Safety Information

Flammable liquid and gas under pressure.  
 Flammability limits: lower 1.7%; upper 9%.  
 Can form explosive mixture with air.  
 May cause frostbite.

Specifications								Recommended Equipment		
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
CHEMGAZ 1	99% Liquid Phase	108*	133	60	13	0.9	206	93	Single-Stage Regulator Q1-205A-4G-510	269
		22LP	27	12	13	0.9	48	22		
		LB	0.4	0.2	13	0.9	4	2	LB Regulator Q1-20BS-170	294