

1-Butene C₄H₈

Synonym: Butene

Physical Constants of Gas

Molecular Weight 56.11
 Specific Volume 6.7 CF/lb. (0.42 m³/kg)
 Boiling Point 20.75°F (-6.25°C) 1 atm
 Gas Density 70°F 1 atm 2.38 kg/m³

Cylinder Data

CGA Valve Outlet 510
 LB CGA Outlet 110, 170

Shipping Data

Shipping Class 70
 DOT Name 1-Butene
 TC Name Butylene
 DOT/TC Class 2.1 (Flammable Gas)
 WHMIS Class AB1
 DOT Label Flammable Gas
 CAS Registry No. 106-98-9
 UN No./ATA No. UN1012

Safety Information

Flammable gas.
 Flammability limits: lower 1.6%; upper 9.3%.
 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*	126	57	24	2	199	90	Single-Stage Regulator Q1-205A-4G-510 LB Regulator Q1-20BS-170 LB Control Valve Q1-30B	269 294 332
		22LP	25	11	24	2	48	22		
		LB	0.4	0.2	24	2	4	2		

* Can be furnished with a full-length eductor tube and helium pressure pad upon request.

We stock SCOTT™ regulators, manifolds, flowmeters, point-of-use panels, cabinets, valves and related equipment.