

Isobutane (iso-C₄H₁₀)

A flammable, colorless liquefied gas.

Purity Specifications	Minimum Purity	H ₂ O	O ₂	Other Hydrocarbons	Sulfur	N ₂
Research	99.99%	< 2	< 5	< 90	< 1	< 20
Instrument	99.5%	< 3	< 100	< 4500	< 1	< 400
Chemically Pure (CP)	99.0%					

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents lbs	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Research	350	111	510	BI R350	31	Single-Stage Regulators Y11-D244 * 510 Y11-LC241 * 510 Y11-C440N	A = 0-25 B = 0-50 0-15	E10 E12 E32
	LP5	22	510	BI RLP5	31			
LP1	5	510	BI RLP1	31				
Impurities listed are typical. Total impurities guaranteed < 100 ppm. Certificate of Conformance provided upon request.								
Instrument	1/2 TON	466	510	BI IHTN	31			
	350	111	510	BI I350	31			
	LP5	22	510	BI ILP5	31			
	Impurities listed are typical. Total impurities guaranteed < 0.5%. Certificate of Conformance provided upon request.							
Chemically Pure (CP)	1/2 TON	466	510	BI CPHTN	31			
	350	111	510	BI CP350	31			
	LP5	22	510	BI CPLP5	31			

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	58.12
Specific Volume	6.6 cf/lb @70° F
Flammability Limits in Air	1.8 - 8.4% in Air
U.S. DOT Name	Isobutane
ID Number	UN 1969
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	75-28-5