

Boron Trichloride (BCl₃)

A colorless, corrosive, highly toxic, nonflammable, liquefied gas with a pungent, irritating odor.

Purity Specifications	Minimum Purity
Chemically Pure (CP)	99.9%

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
Chemically Pure (CP)	200	100	660	BC CP200	4.4	Single-Stage Regulator Y11-C440N Cross Purge Manual Flow Control Valve Y99-CPA4330 Y30-311660 Y30-411660	0-100	E32
	80	40	660	BC CP80	4.4			E45
	35	10	660	BC CP35	4.4			E101 E101
Certificate of Conformance provided upon request.								

Technical Data & Shipping Information	
Molecular Weight	117.17
Specific Volume	3.3 cf/lb @70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Boron Trichloride
ID Number	UN 1741
U.S. DOT Hazard Class	2.3
U.S. DOT Label	Inhalation Hazard, Poison Gas
CAS Registry	10294-34-5

Boron Trifluoride (BF₃)

A colorless, highly toxic and corrosive, nonflammable gas with a strong, suffocating odor. Fumes strongly in moist air.

Purity Specifications	Minimum Purity
Chemically Pure (CP)	99.9%

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
Chemically Pure (CP)	200	60	330	BF CP200	800	Two-Stage Regulator Y12-E444 * 330 Single-Stage Regulator Y11-E464 * 330 Cross Purge Y99-CPA4330	A = 0-25 B = 0-50 C = 0-100	E30
	35	6	330	BF CP35	800			E30
	Certificate of Conformance provided upon request.							
						* Insert Delivery Pressure Range Code		

Technical Data & Shipping Information	
Molecular Weight	67.781
Specific Volume	5.6 cf/lb @70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Boron Trifluoride, Compressed
ID Number	UN 1008
U.S. DOT Hazard Class	2.3
U.S. DOT Label	Inhalation Hazard, Poison Gas
CAS Registry	7637-07-2