



BORON TRICHLORIDE



Colorless, toxic, corrosive, liquefied gas which fumes in the presence of moist air and has a choking odor.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Boron Trichloride
 I.D. Number: UN1741
 Hazard Class: 2.3 (8)
 Shipping Labels: Inhalation Hazard, Corrosive

TECHNICAL INFORMATION

Molecular Weight: 117.17
 Specific Volume: 3.3 ft³/lb.
 CAS Registry: 10294-34-5
 Safety Data Sheet Reference: Boron Trichloride

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) ²								
					O ₂	N ₂	CO ₂	CO	CH ₄	Cl ₂	COCl ₂	HCL	SiCl ₄
Electronic Ultra Pure	5.5	99.9995%	EUP	SG BTCEUP-	1	1	0.5	0.3	0.5	0.1	0.1	1	2
Electronic High Purity	5.0	99.999%	EHP	SG BTCEHP-	1	4	2	0.5	0.5	1			
Ultra Pure	4.5	99.995%	UP	SG BTCUP-	9	30	5	3	1	1			
CP Grade	3.0	99.9%	CP	SG BTCCP-	Sum of total impurities < 1,000 ppm								

Notes: ¹ Complete catalog number by selecting cylinder size code using chart below.

² Specifications are typical results and are subject to change without notice. Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume lbs. ³	Pressure (PSIG) @ 70° F.	Valve Connection CGA DISS		Gross Weight (lbs.)
High Pressure Carbon Steel Cylinders						
200	K ⁴	110	4.4	CGA 660	DISS 634	245
10	2L	5	4.4	CGA 660	DISS 634	14

Notes: ³ This product is sold by the cylinder. Fill volumes are approximate. May vary slightly depending on cylinder manufacturer.

⁴ Short fill options available such as: 100lbs, 70lbs and 40lbs. Pressure varies depending on short filled volumes.

Contact your WestAir representative about equipment recommendations for this product.