



# 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 ft<sup>3</sup>/lb.  
CAS Registry: 10294-34-5  
Safety Data Sheet Reference: Boron Trichloride

## PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number <sup>1</sup>	Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) <sup>2</sup>								
					O <sub>2</sub>	N <sub>2</sub>	CO <sub>2</sub>	CO	CH <sub>4</sub>	Cl <sub>2</sub>	COCl <sub>2</sub>	HCL	SiCl <sub>4</sub>
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:** <sup>1</sup> Complete catalog number by selecting cylinder size code using chart below.

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

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

<sup>4</sup> 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.*