

Transportation Information

UN Number: 1741



Shipping Name	Boron Trichloride	Boron Trichloride	Boron Trichloride
Hazard Class	2.3 (8)	2.3 (8)	2.3
Label	Toxic Gas, Corrosive	Toxic Gas, Corrosive	Toxic Gas, Corrosive

(M)SDS Reference

P-4566

CAS Number

10294 - 34 - 5

General Description

Colorless, toxic, corrosive, nonflammable, liquefied gas with a pungent choking odor.

Product/Grade	Purity	Part Number	Cylinder	O ₂	CO	N ₂	CH ₄	CO ₂	Silicon	COCl ₂ (phosgene)	Cl ₂	HCL
Semiconductor, 5.0	99.999%	BC 5.0SP	K, G	3	0.5	10	0.2	0.2	1 ppm/w	1	1	5
Semiconductor, 3.6	99.96%	BC 3.6SP	K, G	-	-	-	-	-	10 ppm/w	300	100	-

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	660/634	4.4 (0.30)	100 (45.36)	223 (101)
G	High Pressure Steel	20 x 6 (50.8 x 15.2)	660/634	4.4 (0.30)	14 (6.35)	43 (20)

Equipment Recommendations

Semiconductor, 5.0	Gas cabinets
Semiconductor, 3.6	Gas cabinets



UltraPurge™ 400 Gas Cabinet Series
(see page E•306)



See Section D for additional information on Praxair's Semiconductor product line (pages D•143 - D•148).

See our complete line of gas delivery systems in Section E, including gas cabinets, process panels, and controllers.