

Transportation Information

UN Number: 1818



Shipping Name	USA	Canada	Mexico
	Silicon Tetrachloride	Silicon Tetrachloride	Silicon Tetrachloride
Hazard Class	8	8	8
Label	Corrosive	Corrosive	Corrosive

(M)SDS Reference

P-4824

CAS Number

10026 - 04 - 7

General Description

Colorless, highly toxic, nonflammable liquid with a pungent odor.

Product/Grade	Purity	Part Number	Cylinder
Semiconductor, 4.0	99.99%	ST 4.0SP	ST55, ST10

HCl	TCS	Other Chlorosilanes	Carbon	Boron	P	As	Al	Resistivity	Other Metals ⁽¹⁾
15 ppm/wt	10 ppm/wt	0.02 %wt	0.05 ppm/a	0.2 ppb/a	1.0 ppb/a	0.05 ppb/a	0.05 ppb/a	1000 ohm-cm	5 ppb/wt

Product/Grade	Purity	Part Number	Cylinder	HCl	TCS	Al	Fe	Other Metals ⁽²⁾
Fiber Optic, 4.0	99.99%	ST 4.0FO	ST55, ST10	15 ppm/wt	10 ppm/wt	25 ppb/wt	50 ppb/wt	100 ppb/wt

Product/Grade	Purity	Part Number	Cylinder	Boron	Carbon	Donor (P & As)	Other Chlorosilanes	Resistivity
Semiconductor, 3.8	99.98%	ST 3.8SP	ST55, ST10, SB	1 ppb/a	1 ppm/a	2 ppb/a	0.06% wt	> 100 ohm-cm

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

Available with hydrogen or nitrogen pressure pads upon request.

⁽¹⁾ Other metals defined as Al, Fe, Ni, Cu, Cr, Mg, Mn, Zn, Ti, < 5 ppb/w each.

⁽²⁾ Other metals defined as Ni, Cu, Cr, Mg < 100 ppb/w each.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
ST55	Low Pressure Drum	46 x 24 (116.84 x 60.96)	Based on application	0	600 (272)	850 (385)
ST10	Low Pressure Drum	30 x 12 (76.2 x 30.48)	Based on application	0	100 (45)	150 (68)
SB	Low Pressure Drum	44 x 9 (111.7 x 22.8)	Based on application	0	110 (50)	142 (65)



Contact your Praxair representative about equipment recommendations for Silicon Tetrachloride.