

# Silicon Tetrafluoride



## Transportation Information



**UN Number:** 1859

Shipping Name	United States	Canada	Mexico
	Silicon Tetrafluoride	Silicon Tetrafluoride	Silicon Tetrafluoride
Hazard Class	2.3 (8)	2.3 (8)	2.3 (8)
Label	Toxic Gas, Corrosive	Toxic Gas, Corrosive	Toxic Gas, Corrosive

## (M)SDS Reference

P-4652

## CAS Number

7783 - 61 - 1

## General Description

Colorless, nonflammable, corrosive and toxic gas with a pungent odor similar to that of hydrochloric acid.

Product/Grade	Purity	Part Number	Cylinder	Ar + O <sub>2</sub>	N <sub>2</sub>	CO <sub>2</sub>	CO	CH <sub>4</sub>	As	B	P	Acidity (HF)
Semiconductor, 4.0	99.99%	SF 4.0SP	K, G, UpTime®	1	3	1	1	10	0.5	0.5	0.5	50

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)	330/642	900 (61.2)	50 (22.7)	183 (83)
G	High Pressure Steel	20 x 6 (50.8 x 15.2)	330/642	900 (61.2)	8 (3.6)	37 (16)
UpTime	Sub-Atmospheric	See page D•146 for all sub-atmospheric ion implant packaging.				

## Equipment Recommendations



SurePurge™ 1500 –  
Two Cylinder Cabinet  
(see page E•306)



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

Contact your nearest Praxair location or call 1-877-PRAXAIR for technical information and assistance.