

### Transportation Information

UN Number: 2203



United States of America



Canada



Mexico

Shipping Name	United States of America	Canada	Mexico
Shipping Name	Silane, Compressed	Silane	Silane, Compressed
Hazard Class	2.1	2.1	2.1
Label	Flammable Gas	Flammable Gas	Flammable Gas

### Formula

SiH<sub>4</sub>

### MSDS Reference

P-4649

### CAS Number

7803 - 62 - 5

### General Description

Colorless, pyrophoric, flammable gas with a repulsive odor.

### Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content ft <sup>3</sup> /m <sup>3</sup>	Regulator Recommendations See Section F, Page 2
SI 6.0SP	6.0	99.9999 %	AT	12 kg	700 Series: Semiconductor
	Semiconductor	Ar < 0.05 ppm	UT	16 kg	400 Series: Corrosive
	Process	CO <sub>2</sub> < 0.05 ppm	UK	10 kg	455 Series: Special Purpose
	Gas	CO < 0.05 ppm	AS	5 kg	
		Total Chlorosilanes < 0.15 ppm			
		Disilane < 0.5 ppm			
		He < 1 ppm			
		H <sub>2</sub> < 20 ppm			
		CH <sub>4</sub> < 0.05 ppm			
		N <sub>2</sub> < 1 ppm			
		O <sub>2</sub> < 0.05 ppm			
		H <sub>2</sub> O < 0.5 ppm			
		Carbon < 0.02 ppm/a			
		Disiloxane < 0.5 ppm			
		Methylsilane < 0.5 ppm <sup>(1)</sup>			
		Aluminum < 0.005 ppb/a			
		Antimony < 0.005 ppb/a			
		Arsenic < 0.005 ppb/a			
		Boron < 0.02 ppb/a			
		Gallium < 0.005 ppb/a			
		Indium < 0.005 ppb/a			
		Phosphorus < 0.02 ppb/a			
		Cr+Cu+Fe+Ni+Zn < 1 ppb/a			
		Resistivity >=10,000 Ohm-cm			

<sup>(1)</sup> Calculated from the conversion of the methane concentration to methylsilane.