

Transportation Information
UN Number: 2203


United States of America



Canada



Mexico

Formula
 SiH_4
MSDS Reference

P-4649

CAS Number

7803 - 62 - 5

General Description

Colorless, pyrophoric, flammable gas with a repulsive odor.

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

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content ft ³ /m ³	Regulator Recommendations See Section F, Page 1
SI 6.0SP	6.0	99.9999 %	AT	12 kg	Gas Cabinet
	Semiconductor	Ar < 0.5 ppm	UT	16 kg	
	Process	CO ₂ < 0.05 ppm	UK	10 kg	
	Gas	CO < 0.05 ppm	AS	5 kg	
		Total Chlorosilanes < 0.15 ppm			
		Disilane < 0.5 ppm			
		He < 1 ppm			
		H ₂ < 20 ppm			
		CH ₄ < 0.05 ppm			
		N ₂ < 1 ppm			
		O ₂ < 0.05 ppm			
		H ₂ O < 0.05 ppm			
		Resistivity >=10,000 Ohm-cm			

**SurePurge™ 1500 –
Two Cylinder Cabinet
(see page F52)**



Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content	Regulator Recommendations See Section F, Page 1
SI 4.7SP	4.7	99.997%	AT	10 kg	Gas Cabinet
	Semiconductor	AR < 1 ppm	UT	16 kg	
	Process Gas	CO ₂ < 0.5 ppm CO < 0.5 ppm Total Chlorosilanes < 0.5 ppm He < 5 ppm H ₂ < 100 ppm CH ₄ < 0.5 ppm N ₂ < 5 ppm O ₂ < 0.1 ppm H ₂ O < 2 ppm Resistivity >/=7,500 Ohm-cm	AS	5 kg	
SI 4.0SP	4.0	99.99 %	UK	10 kg	Gas Cabinet
	Semiconductor	Ar <15 ppm	K	5 kg	
	Process Gas	CO ₂ < 1 ppm CO < 1 ppm Total Chlorosilanes <1 ppm He < 30 ppm H ₂ < 200 ppm CH ₄ < 1 ppm N ₂ < 20 ppm O ₂ < 1ppm H ₂ O < 3 ppm Resistivity >/=5,000 Ohm-cm			

When ordering, please add the desired cylinder style to the end of the above part number.

Add "D" for DISS connection (SI 4.0SP-**UKD**)


 Cylinder Information

Cylinder Style	Connection CGA/DISS	Pressure psig/bar	Gross Weight lb/kg
AT (12 kg)	350/ 632	1040/72	116/53
AT (10 kg)	350/ 632	1040/72	114/51
AS	350/ 632	976/67	59/27
UT	350/ 632	1040/72	178/81
UK	350/ 632	1040/72	155/70
K	350/ 632	1040/72	144/65

See Section E for additional information on Praxair's Semiconductor product line (pages E45-E47)

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