

Transportation Information

UN Number: 2189



Shipping Name	Dichlorosilane	Dichlorosilane	Dichlorosilane
Hazard Class	2.3 (2.1) (8)	2.3 (2.1) (8)	2.3 (2.1) (8)
Label	Toxic Gas, Flammable Gas, Corrosive	Toxic Gas, Flammable Gas, Corrosive	Toxic Gas, Flammable Gas, Corrosive

(M)SDS Reference

P-4587

CAS Number

4109 - 96 - 0

General Description

Colorless, highly toxic, corrosive, flammable, liquefied gas with a sharp, hydrochloric acid odor.

Product/Grade	Purity	Part Number	Cylinder
Semiconductor 3.5	99.95%	DI 3.5SP	K
Semiconductor 3.0	99.9%	DI 3.0SP	K

Product/Grade	Atmospheric Components						Chemical Components			
	N ₂ ppm/v	O ₂ + Ar ppm/v	CO ppm/v	CO ₂ ppm/v	CH ₄ ppm/v	C ₂ , C ₃ , C ₄ ppm/v	MCS ppm/w	TCS ppm/w	STC ppm/w	HCl ppm/w
Semiconductor 3.5	1	1	1	1	1	1	250	200	10	150
Semiconductor 3.0	1	1	-	-	-	-	250	500	200	-

MCS = Monochlorosilane
TCS = Trichlorosilane
STC = Silicon Tetrachloride

Product/Grade	Epi Film Components									
	Al ppb/a	B ppb/a	P ppb/a	As ppb/a	Ga ppb/a	In ppb/a	Sb ppb/a	C ppm/a	O ₂ ppm/a	Resistivity ohm-cm
Semiconductor 3.5	0.04	0.05	0.045	0.01	0.01	0.01	0.01	0.1	0.2	> 500
Semiconductor 3.0	0.04	0.05	0.045	0.01	-	-	-	0.1	-	> 400

Product/Grade	Metal Components							
	Fe ppb/w	Ni ppb/w	Cr ppb/w	Na ppb/w	Mo ppb/w	Mn ppb/w	Cu ppb/w	Zn ppb/w
Semiconductor 3.5	1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Semiconductor 3.0	3	-	-	-	-	-	-	-

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)	678/636	9 (.62)	90 (40.9)	210 (95.45)



Contact your Praxair representative about equipment recommendations for Dichlorosilane.