

Transportation Information
UN Number: 2189


United States of America



Canada



Mexico

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

Formula
SiH₂Cl₂
MSDS Reference

P-4587

CAS Number

4109 - 96 - 0

General Description

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

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content	Regulator Recommendations See Section F, Page 2
DI 2.7SP	2.7 Semiconductor Process Gas	99.7 % Inert Gas < 1000 ppm Monochlorosilane < 2000 ppm/w Trichlorosilane < 8000 ppm/w Silicon Tetrachloride < 300 ppm/w Carbon < 0.05 ppm/w Aluminum < 0.04 ppb/w Arsenic < 0.03 ppb/w Boron < 0.02 ppb/w Iron < 3 ppb/w Phosphorus < 0.05 ppb/w Resistivity > 400 Ohm-cm	SA	95 lb/43.1 kg	700 Series: Semiconductor 400 Series: Corrosive
DI 2.0SP	2.0 Semiconductor Process Gas	99.0 % Inert Gas < 10000 ppm/w Other SiCl _x < 10000 ppm/w Carbon < 2 ppm/w Aluminum < 0.1 ppb/w Arsenic < 0.1 ppb/w Boron < 0.1ppb/w Iron < 10 ppb/w Phosphorus < 0.1 ppb/w Resistivity > 150 Ohm-cm	SA	95 lb/43.1 kg	700 Series: Semiconductor 400 Series: Corrosive

Inert gases are defined as Argon and Nitrogen. Other Chlorosilanes are analyzed from the liquid phase.

When ordering, please add the desired cylinder style to the end of the above part number.
Specify CGA if more than one is listed (DI 2.7SP-**SA670**).
Add "D" for DISS connection (DI 2.0SP-**SAD**)


Cylinder Information

Cylinder Style	Connection CGA/DISS	Pressure psig/bar	Gross Weight lb/kg
SA	670, 678/ 636	9/.62	133/60

See Section E for additional information on Praxair's Semiconductor product line (E34-E36)

See our complete line of gas delivery systems in Section F, including gas cabinets, process panels, and controllers (F45-F46)