

## Dichlorosilane

## Transportation Information

UN Number: 2189



United States of America



Canada



Mexico

## Formula

SiH<sub>2</sub>Cl<sub>2</sub>

## MSDS Reference

P-4587

## CAS Number

4109 - 96 - 0

## General Description

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

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

## Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content	Regulator Recommendations See Section F, Page 1
DI 2.7SP	2.7 Semiconductor Process Gas	99.7 % Inert Gas < 1000 ppm Monochlorosilane < 800 ppb/w Trichlorosilane < 2000 ppb/w Silicon Tetrachloride < 300 ppb/w Carbon < 0.05 ppb/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	Gas Cabinets 7000 Series: Semiconductor 4000 Series: Corrosive
DI 2.0SP	2.0 Semiconductor Process Gas	99.0 % Inert Gas < 10000 ppm/w Carbon < 1 ppm/w Aluminum < 1 ppb/w Arsenic < 0.2 ppb/w Boron < 0.1ppb/w Iron < 50 ppb/w Phosphorus < 0.05 ppb/w Monochlorosilane < 1,000 ppm/w Silicon Tetrachloride < 500 ppm/w Trichlorosilane < 8,000 ppm/w Resistivity > 400 Ohm-cm	SA	95 lb/43.1 kg	Gas Cabinets 7000 Series: Semiconductor 4000 Series: Corrosive

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**)

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

## Cylinder Information

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

See our complete line of gas delivery systems in Section F, including gas cabinets, process panels, and controllers (pages F50-F53)