

Hydrogen Chloride

HCl



Transportation Information

UN Number: 1050



	United States	Canada	Mexico
Shipping Name	Hydrogen Chloride, Anhydrous	Hydrogen Chloride, Anhydrous	Hydrogen Chloride, Anhydrous
Hazard Class	2.3 (8)	2.3 (8)	2.3
Label	Toxic Gas, Corrosive	Toxic Gas, Corrosive	Toxic Gas, Corrosive

(M)SDS Reference

P-4606

CAS Number

7647 - 01 - 0

General Description

Colorless, toxic, corrosive, nonflammable, acidic, liquefied gas with a pungent odor.

Product/Grade	Purity	Part Number	Cylinder	N ₂	O ₂	H ₂ O	CO ₂ + CO	THC
Semiconductor, 5.0	99.999%	HC 5.0SP	K, G	3	1	1	4	1
High Purity, 2.0	99.0%	HC 2.0	K, G	-	-	-	-	-

Concentrations given are ppm by volume unless otherwise specified.
Maximum ppm unless otherwise noted.

Section B – Pure Gases

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)	330/634	613 (42)	60 (27.3)	187 (85)
G	High Pressure Steel	20 x 6 (50.8 x 15.2)	330/634	613 (42)	9 (4.1)	38 (17.2)

Equipment Recommendations

Semiconductor, 5.0	Gas cabinets, 4000 series regulators
High Purity, 2.0	4000 series regulators



UltraPurge™ 400 Gas Cabinet Series
(see page E*306)



See our full line of safety equipment and gas cabinets in Section E.

Product available in ton containers.

See Sections F and G for safety and technical information.