

Deuterium



Transportation Information



UN Number: 1957

Shipping Name	Deuterium, Compressed	Deuterium, Compressed	Deuterium, Compressed
Hazard Class	2.1	2.1	2.1
Label	Flammable Gas	Flammable Gas	Flammable Gas

(M)SDS Reference

P-4585

CAS Number

7782 - 39 - 0

General Description

Colorless, odorless, flammable gas; an isotope of hydrogen.

Product/Grade	Purity	Part Number	Cylinder	N ₂	O ₂ + Ar	H ₂ O	CO ₂	CO	HD Deuterium Hydride	THC	H ₂
Research (Isotopic Enrichment 99.8%), 5.0	99.999%	DT 5.0RS	T, K, Q	1	1	1	1	1	3000	1	100

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

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume ltr	Gross Weight lb (kg)
T	High Pressure Steel	55 x 9.3 (139.7 x 23.5)	350/724	2351 (163)	7300	146 (66)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	350/724	1786 (12314)	5000	135 (61)
Q	High Pressure Steel	31 x 7 (78.7 x 17.8)	350	1918 (13224)	2000	65 (30)

Equipment Recommendations



4012 Series – Critical Purity Regulators for Corrosive Service (see page E•244)



See Section D for Praxair's complete line of instrument support gases and mixtures (pages D•214 - D•218).

See Sections F and G for safety and technical information.