

Helium

Cryogenic Liquids

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Transportation Information



UN Number: 1963

Shipping Name	Helium, Refrigerated Liquid	Helium, Refrigerated Liquid	Helium, Refrigerated Liquid
Hazard Class	2.2	2.2	2.2
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

(M)SDS Reference

P-4600

CAS Number

7440 - 59 - 7 (R)

General Description

Colorless, odorless, nonflammable, cryogenic liquid and gas.

Product/	Purity Grade	Part	Cylinder Number	O ₂	N ₂	H ₂ O	CO	CO ₂	THC	H ₂	Ne
5.0	99.999%	HE LT	LT60, LT100, LT250, LT500	1	5	2	1	1	0.1	1	2

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

Cylinders

Cylinder Type	Style	Size in (cm)	Connection	Pressure psig (bar)	Volume lt	Gross Weight lb (kg)
LT60	Portable Liquid Unit	51 x 24 (127.3 x 61)	Coupling for 3/8" or 1/2" transfer tube	1 (0.07)	60	209 (95)
LT100	Portable Liquid Unit	59 x 24 (147.9 x 61)	Coupling for 3/8" or 1/2" transfer tube	1 (0.07)	100	249 (113)
LT250	Portable Liquid Unit	67 x 32 (171.1 x 81.3)	Coupling for 3/8" or 1/2" transfer tube	1 (0.07)	250	526 (239)
LT500	Portable Liquid Unit	70 x 42 (179.3 x 106.7)	Coupling for 3/8" or 1/2" transfer tube	1 (0.07)	500	824 (374)

Equipment Recommendations



Dewar Changeover System
(see page E*288)



See Sections F and G for safety and technical information.