

Helium

Cryogenic Liquids

He



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.