

## Helium (Medical)

Helium USP is used as a component of breathing mixtures, to reduce the density of the mixture, and thus facilitate breathing under certain physical and physiological conditions.

### Description

Formula: He

### Gas Data

Molecular Weight: 4.00

Density: 0.165 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.0103 lb/ft<sup>3</sup> @ 70°F, 14.696 psia

Specific Volume: 6.06 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
97.1 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

### Shipping Information

CAS Registry Number: 7440-59-7

UN Number: UN 1046

ECCN Number: 1C980

DOT Proper Shipping Name: Helium, Compressed

DOT Classification: 2.2 (Nonflammable Gas)

DOT Label: NON-FLAMMABLE GAS

TC Shipping Name: Helium, Compressed

TC Classification: 2.2

TC Label: NON-FLAMMABLE GAS,  
NON-POISONOUS GAS

### Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	Pounds	Liters	
T	3 lbs 0 oz	8,127	580
H	2 lbs 8 oz	6,173	580
M	1 lb 4 oz	3,085	580
E	3.6 oz	589	930
D	2.2 oz	344	930

***Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk.***

***We can handle virtually any size requirement, from a customer using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.***