

Laser Gas Mixtures

Lasers used in surgical procedures and research

Formula:	Mixture of He-CO ₂ -N ₂ *
Trade Name:	Laser Gas
Product Name:	Compressed gases, n.o.s (carbon dioxide/nitrogen/helium mixture)
Shipping Information:	CAS Registry Number UN 1956
DOT Proper Shipping Name:	Compressed gases, n.o.s (carbon dioxide/nitrogen/helium mixture)
DOT Classification:	2.2
DOT Label:	Nonflammable Gas

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	Cubic Feet	Liters	
H	285	3,990	500
G	190	2,660	500
M	94	1,970	500
E	20	575	973
D	12	350	973

*Typical mixtures include 4.5% CO₂/13.5% N₂ balance He, 6% CO₂/14% N₂/balance He, 7% CO₂/14% N₂/balance He, 9% CO₂/15% N₂/balance He, 9.4% CO₂/19.25% N₂/balance He. Different blend and analytical specifications apply based on concentration.