

# Nitrous Oxide

## Description

Formula: N<sub>2</sub>O  
Synonyms: Nitrogen Monoxide, Dinitrogen Monoxide, Laughing Gas

## Gas Data

Molecular Weight: 44.01  
Density: 1.947 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.1215 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
Specific Volume: 0.5136 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
8.230 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

## Shipping Information

CAS Registry Number: 10024-97-2  
UN Number: UN 1070  
ECCN Number: EAR99  
DOT Proper Shipping Name: Nitrous Oxide  
DOT Classification: 2.2 (Nonflammable Gas)  
DOT Label: NON-FLAMMABLE GAS,  
OXIDIZER  
TC Shipping Name: Nitrous Oxide, Compressed  
TC Classification: 2.2, 5.1  
TC Label: NON-FLAMMABLE GAS,  
NON-POISONOUS GAS, OXIDIZER

## Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
56#	56 lb	12.80 kg	326
20#	20 lb	4.57 kg	326

⚠ WARNING: This product can expose you to chemicals including Nitrous Oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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