



Nitric Oxide

Description

Formula: NO
 Synonym: Nitrogen(II) Oxide


Gas Data

Molecular Weight: 30.01
 Density: 1.25 kg/m³ @ 21.1°C, 101.325 kPa
 0.0781 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.800 m³/kg @ 21.1°C, 101.325 kPa
 12.8 ft³/lb @ 70°F, 14.696 psia

Safety Information

Permissible Exposure
 Limit (TLV): 25 ppm

Shipping Information

CAS Registry Number: 10102-43-9
 UN Number: UN 1660
 ECCN Number: EAR99
 DOT Proper Shipping Name: Nitric Oxide, Compressed
 DOT Classification: 2.3, Hazard Zone A (gas poisonous by inhalation)
 DOT Label: INHALATION HAZARD 
 OXIDIZER, CORROSIVE GAS
 TC Shipping Name: Nitric Oxide
 TC Classification: 2.3, 5.1, 8
 TC Label: POISON GAS, OXIDIZER, CORROSIVE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1P	660	500	3,447	136	62
2P	660	500	3,447	75	34
3P	660	500	3,447	39	18
6P	660	500	3,447	20	9
1R	660	500	3,447	62	28

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.
Nitric Oxide, UHP 99.5% <i>Guaranteed Specifications</i>	G2659782	1P	56 ft ³	1.59 m ³	Single Stage Reg.	Series 3610A-660	316
	G2659783	1R	38 ft ³	1.1 m ³	Cross Purge	4774-660	422
Nitrous Oxide <	1000 ppm				Personal Monitor	IQ250	398
Nitrogen <	3000 ppm				Leak Detector	8081A	404
Carbon Dioxide <	1000 ppm				Detector Tube	8014-1755A	392
Water <	20 ppm						
<i>A Certificate of Conformance will be provided on request. A lot analysis is available at a nominal charge. * The impurity specifications are at the date of analysis in the 1P. Certain impurities may increase over time in a steel cylinder.</i>							
Nitric Oxide, CP Grade 99%	G1555116	1P	56 ft ³	1.59 m ³	Single Stage Reg.	Series 3610A-660	316
	G1555146	2P	20 ft ³	0.57 m ³	Cross Purge	4774-660	422
	G1555157	3P	8 ft ³	0.23 m ³	Personal Monitor	IQ250	398
	G1555173	6P	1.2 ft ³	30 L	Leak Detector	8081A	404
					Detector Tube	8014-1755A	392
<i>A Certificate of Conformance will be provided on request.</i>							

⚠ 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.