



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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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		Equipment Recommendations	Model No.
			US	Metric		
Nitric Oxide, UHP 99.5% <i>Guaranteed Specifications</i>	G2659782	1P	56 ft ³	1.59 m ³	Single Stage Reg. Cross Purge Leak Detector Detector Tube	Series 3610A-660 4774-660 8081A 8014-1755A
	G2659783	1R	38 ft ³	1.1 m ³		
Nitrous Oxide <	1000 ppm					
Nitrogen <	3000 ppm					
Carbon Dioxide <	1000 ppm					
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. Cross Purge Leak Detector Detector Tube	Series 3610A-660 4774-660 8081A 8014-1755A
	G1555146	2P	20 ft ³	0.57 m ³		
	G1555157	3P	8 ft ³	0.23 m ³		
	G1555173	6P	1.2 ft ³	30 L		

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⚠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.