Pure Gases

Nitrogen (N_2)

Overview:

Makes up 78.03% of air. It is colorless, odorless and tasteless. Nitrogen is often used as an "inert" gas because of its non-reactive nature with many materials. In the chemical and petroleum industries, gaseous nitrogen is used for storage tank purging and vessel inerting applications. It is also used in the electronics and metals industries because of its inert properties. Liquid nitrogen is widely used in refrigerant applications such as food freezing.

Purity Specification	Min Purity	Impurities
Industrial Grade	99.997%	<30ppm
High Purity Grade	99.999%	<10ppm
Ultra High Purity Grade	99.9998%	<2ppm

NFPA Rating

0	0	0	

Hazard Sign

Product Details	Products Specifications						Cylinder Information		
	Cylinder Size	Cylinder Volume	Valve/ Pressure	Standard Valve -- Outlet (CGA)	Product Number	Purity	CAS Number	Cylinder Color	Identification Number
Industrial Grade	K	40 Ltr.	2,000 PSI	580	DG002G	99.997%	7727-37-9	Blue	UN 1066
High Purity Grade	K	40 Ltr.	2,000 PSI	580	DG002G	99.999%	7727-37-9	Blue	UN 1066
Ultra High Purity Grade	K	40 Ltr.	2,000 PSI	580	DG002G	99.9998%	7727-37-9	Blue	UN 1066

* Certificate of Conformance will be provided upon request.

Technical Data & Transporting Information

Appearance	Colorless gas.
Odor	Odorless.
Physical State	Gas at temperature and pressure.
Melting Point at 1 atm	-210°C (-346°F).
Boiling Point at 1 atm	-195.80°C (-320.44°F).
Flammability	Nonflammable.
DOT Name	Nitrogen, Compressed.
DOT Hazard Class	2.2
DOT Label	Nonflammable Gas.
Molecular Formula	N_2

Cylinder Color