HiQ® Specialty Gases Finder.

Nitrogen N2

CAS: 7727-37-9  EC: 231-783-9  UN: 1066 (Compressed), 1977 (Refrigerated liquid)

**HiQ Nitrogen 4.6**
HiQ Product Code: 134
Purity >= 99.996%
Impurities [ppm]
99.996%  H2O<=5  O2<=5

**HiQ Nitrogen 5.0**
HiQ Product Code: 135
Purity >= 99.999%
Impurities [ppm]
99.999%  H2O<=3  O2<=2  CnHm<=0.5

**HiQ Nitrogen 6.0**
HiQ Product Code: 136
Purity >= 99.999%
Impurities [ppm]
99.999%  H2O<=0.5  O2<=0.5  CnHm<=0.1  CO<=0.1  CO2<=0.1  H2<=0.5

**VERISEQ Process Nitrogen (Pharmaceutical grade)**
HiQ Product Code: 6319
Purity >= 99.5% Nitrogen
Impurities [ppm]
99.5% Nitrogen  H2O<=5  O2<=5  CO<=5  CO2<=300  Ar<=0.5%  Odour<=not detectable

**VERISEQ Research Nitrogen (Pharmaceutical grade)**
HiQ Product Code: 2095
Purity >= 99.999% Nitrogen incl. rare gases
Impurities [ppm]
99.999% Nitrogen incl. rare gases  H2O<=3  O2<=3  CO<=5  CO2<=300  Ar<=0.5%  CnHm<=1  Odour<=not detectable

**HiQ Nitrogen 5.0 Zero**
HiQ Product Code: 137
Purity >= 99.999%
Impurities [ppm]
99.999%  H2O<=3  O2<=2  CnHm<=0.2  CO<=1  CO2<=1

**HiQ Nitrogen 5.5 ECD**
HiQ Product Code: 138
Purity >= 99.9995%
Impurities [ppm]
99.9995%  H2O<=1  O2<=1  CnHm<=0.1  CO<=0.5  CO2<=0.5  Halocarbons<=1 ppb

This is a promotional data sheet, for a full Safety Data Sheet, please contact your local Linde subsidiary

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HiQ® Specialty Gases Finder.

**HiQ Nitrogen 5.5 CEM Zero**
HiQ Product Code: 139
Purity >= 99.9995%

Impurities [ppm]
99.995%  H2O<=1  O2<=0.5  CnHm<=0.1  CO<=0.5  CO2<=1  NOx<=0.1  SO2<=0.1

**HiQ Nitrogen 7.0**
HiQ Product Code: 140
Purity >= 99.9999%

Impurities [ppm]
99.9999%  H2O<=50 ppb  O2<=30 ppb  CnHm<=30 ppb  CO<=30 ppb  CO2<=30 ppb  H2<=30 ppb  Halocarbons<=1 ppb

**Typical Filling Pressure:** 15 °C: 200 bar(a)  70 °F: 2,640 psi(g)

**Characteristics**
Colourless and odourless gas. Asphyxiant in high concentrations.

*Substance not included in Dir. 67/548/EEC Annex 1 and in Reg. 1272/2008 table 3.1.*

**Hazard classifications**
**EC C&L**

Proposed by the Industry

Signal Word: WARNING

**H-Statements**

Physical Hazards
Compressed Gas -> H280: Contains gas under pressure; may explode if heated
Refrigerated Gas -> H281: Contains refrigerated gas; may cause cryogenic burns or injury.

Health Hazards
EIGA-As: Asphyxiant in high concentrations

**Applications of this gas in pure form, or component in a gas mixture.**
Air quality monitoring, Analytical chemistry, Beverages, beer & wine, Calibration gas mixtures, Cryosurgery, Electronics & semiconductor, Emissions control, Environmental monitoring, Fabrics & textiles, Fire suppression, Flame ionisation, Flame photometry, Food processing & preservation, Gas chromatography (GC), Heat treatment & surface treatment of metals, High performance liquid chromatography (HPLC), Inerting, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Lasers, Mass Spectrometry (GC-MS & ICP-MS), Medical applications, Metals surface treatment & heat treatment, Nuclear magnetic resonance (NMR & MRI), Nuclear power, Pharmaceuticals, Process control instrument calibration, Process control instrument...

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operation, Semiconductor & electronics, Stack emissions testing, Textiles & fabrics, Tyre filling, Zero setting for analyzers

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