

HiQ® Specialty Gases Finder.



Nitrogen N2



ADR Class 2, 1A (Compressed)
3A (Refrigerated liquid)



DOT Class 2.2

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

HiQ Nitrogen 4.6

HiQ Product Code: 134

Purity \geq 99.996%

Impurities [ppm]

99.996% H₂O \leq 5 O₂ \leq 5

HiQ Nitrogen 5.0

HiQ Product Code: 135

Purity \geq 99.999%

Impurities [ppm]

99.999% H₂O \leq 3 O₂ \leq 2 CnHm \leq 0.5

HiQ Nitrogen 6.0

HiQ Product Code: 136

Purity \geq 99.9999%

Impurities [ppm]

99.9999% H₂O \leq 0.5 O₂ \leq 0.5 CnHm \leq 0.1 CO \leq 0.1 CO₂ \leq 0.1 H₂ \leq 0.5

VERISEQ Process Nitrogen (Pharmaceutical grade)

HiQ Product Code: 6319

Purity \geq 99.5% Nitrogen

Impurities [ppm]

99.5% Nitrogen H₂O \leq 5 O₂ \leq 5 CO \leq 5 CO₂ \leq 300 Ar \leq 0.5% Odour \leq not detectable

VERISEQ Research Nitrogen (Pharmaceutical grade)

HiQ Product Code: 2095

Purity \geq 99.999% Nitrogen incl. rare gases

Impurities [ppm]

99.999% Nitrogen incl. rare gases H₂O \leq 3 O₂ \leq 3 CO \leq 5 CO₂ \leq 300 Ar \leq 0.5% CnHm \leq 1 Odour \leq not detectable

HiQ Nitrogen 5.0 Zero

HiQ Product Code: 137

Purity \geq 99.999%

Impurities [ppm]

99.999% H₂O \leq 3 O₂ \leq 2 CnHm \leq 0.2 CO \leq 1 CO₂ \leq 1

HiQ Nitrogen 5.5 ECD

HiQ Product Code: 138

Purity \geq 99.9995%

Impurities [ppm]

99.9995% H₂O \leq 1 O₂ \leq 1 CnHm \leq 0.1 CO \leq 0.5 CO₂ \leq 0.5 Halocarbons \leq 1 ppb

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

Linde AG

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HiQ[®] Specialty Gases Finder.

HiQ Nitrogen 5.5 CEM Zero

HiQ Product Code: 139

Purity \geq 99.9995%

Impurities [ppm]

99.9995% H₂O \leq 1 O₂ \leq 0.5 CnHm \leq 0.1 CO \leq 0.5 CO₂ \leq 1 NO_x \leq 0.1 SO₂ \leq 0.1

HiQ Nitrogen 7.0

HiQ Product Code: 140

Purity \geq 99.99999%

Impurities [ppm]

99.99999% H₂O \leq 50 ppb O₂ \leq 30 ppb CnHm \leq 30 ppb CO \leq 30 ppb CO₂ \leq 30 ppb H₂ \leq 30 ppb
Halocarbons \leq 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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