

HiQ® Specialty Gases Finder.



Nitrous oxide N2O

R-744A



ADR Class 2, 2O
3O (Refrigerated liquid)

DOT Class 2.2

CAS: 10024-97-2 EC: 233-032-0 UN: 1070; 2201 (Refrigerated liquid)

Nitrous oxide 2.5

Purity \geq 99.5% (Contact local team for exact specification)

HiQ Nitrous oxide 2.5 AAS

Purity \geq 99.5% (Contact local team for exact specification)

Impurities [ppm]

Air \leq 5,000

HiQ Nitrous oxide 4.5

Purity \geq 99.995% (Contact local team for exact specification)

Impurities [ppm]

H₂O \leq 5 O₂ \leq 5 N₂ \leq 25 CO \leq 1 CO₂ \leq 10 C_nH_m \leq 2

HiQ Nitrous oxide 5.0

Purity \geq 99.999% (Contact local team for exact specification)

Impurities [ppm]

H₂O \leq 1 O₂ \leq 1 N₂ \leq 5 CO \leq 1 CO₂ \leq 1 C_nH_m \leq 1

Typical Filling Pressure: 15 °C: 46 bar(a) 70 °F: 745 psi(g)

Characteristics

Colourless and odourless gas.

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

Hazard classifications

EC C&L



R-Phrases

R8:

Contact with combustible material may cause fire

Proposed by the Industry

Signal Word: **DANGER**



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.

H270:

May cause or intensify fire, oxidiser

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

Linde AG

Linde Gases Division, Seitnerstrasse 70, 82049 Pullach, Germany, Phone +49 89 7446 1661, hiq@linde-gas.com, <http://hiq.linde-gas.com>

HiQ[®] Specialty Gases Finder.



Applications of this gas in pure form, or component in a gas mixture.

Aerosol propellant, Air quality monitoring, Anaesthetic, Analytical chemistry, Atomic Adsorption Spectroscopy (AAS), Calibration gas mixtures, Combustion oxidation, Electronics & semiconductor, Emissions control, Environmental monitoring, Fibre optics, Flame photometry, Food processing & preservation, Fuel for energy, heat & propulsion, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Leak detection, Medical applications, Optical fibres, Process control instrument calibration, Process control instrument operation, Propellant for aerosols, Semiconductor & electronics, Stack emissions testing

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

Linde AG

Linde Gases Division, Seitnerstrasse 70, 82049 Pullach, Germany, Phone +49 89 7446 1661, hiq@linde-gas.com, <http://hiq.linde-gas.com>