

HiQ® Specialty Gases Finder.



Helium He



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



DOT Class 2.2

CAS: 7440-59-7 EC: 231-168-5 UN: 1046 (Compressed); 1963 (Refrigerated liquid)

HiQ Helium 4.6

HiQ Product Code: 114

Purity \geq 99.996%

Impurities [ppm]

99.996% H₂O \leq 5 O₂ \leq 5

HiQ Helium 5.0

HiQ Product Code: 115

Purity \geq 99.999%

Impurities [ppm]

99.999% H₂O \leq 3 O₂ \leq 2 CnHm \leq 0.5 N₂ \leq 5

HiQ Helium 6.0

HiQ Product Code: 116

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 N₂ \leq 0.5 H₂ \leq 0.5

VERISEQ Process Helium (Pharmaceutical grade)

HiQ Product Code: 6322

Purity \geq 99.5%

Impurities [ppm]

99.5% H₂O \leq 67 O₂ \leq 50 CO \leq 10 O₂+N₂ \leq 10,000 CH₄ \leq 50 Odour \leq not detectable

HiQ Helium 5.0 Zero

HiQ Product Code: 117

Purity \geq 99.999%

Impurities [ppm]

99.999% H₂O \leq 3 O₂ \leq 2 CnHm \leq 0.2 CO \leq 1 CO₂ \leq 1 N₂ \leq 5

HiQ Helium 5.5 ECD

HiQ Product Code: 118

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 N₂ \leq 2 Halocarbons \leq 1 ppb

HiQ Helium 7.0

HiQ Product Code: 119

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

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.

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

Characteristics

Colourless and odourless gas. Non-reactive. 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, Balloons, Calibration gas mixtures, Diving, Electronics & semiconductor, Emissions control, Environmental monitoring, Fibre optics, Gas chromatography (GC), Glass, Heat treatment & surface treatment of metals, High performance liquid chromatography (HPLC), Inerting, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Lasers, Leak detection, Lighting, Medical applications, Metals cutting & welding, Metals refining & mining, Metals surface treatment & heat treatment, Mining & metals refining, Nuclear counters & radioactivity detectors, Nuclear magnetic resonance (NMR & MRI), Nuclear power, Optical fibres, Pharmaceuticals, Process control instrument calibration, Process control instrument operation, Radioactivity detectors & nuclear counters, Semiconductor & electronics, Stack emissions testing, Welding metals, Zero setting for analyzers

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>