

HiQ[®] Specialty Gases Finder.



Hydrogen H₂



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

DOT Class 2.1

CAS: 1333-74-0 EC: 215-605-7 UN: 1049 (Compressed); 1966 (Refrigerated liquid)

HiQ Hydrogen 4.6

HiQ Product Code: 124

Purity \geq 99.996%

Impurities [ppm]

99.996% H₂O \leq 5 O₂ \leq 5

HiQ Hydrogen 5.0

HiQ Product Code: 125

Purity \geq 99.999%

Impurities [ppm]

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

HiQ Hydrogen 6.0

HiQ Product Code: 126

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

HiQ Hydrogen 5.0 Zero

HiQ Product Code: 127

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 Hydrogen 7.0

HiQ Product Code: 128

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

Typical Filling Pressure: 15 °C: 200 bar(a) 70 °F: 2,400 psi(g)

Characteristics

Flammable. Odourless and colourless gas.

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

Linde AG

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Hazard classifications

EC C&L



R-Phrases

R12:

Extremely flammable

EU GHS C&L - Reg 1272/2008

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.

H220:

Extremely flammable gas

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

Air quality monitoring, Analytical chemistry, Balloons, Calibration gas mixtures, Chemical synthesis, Cutting metals, Electronics & semiconductor, Emissions control, Environmental monitoring, Fabrics & textiles, Fire suppression, Flame ionisation, Flame photometry, Fuel cells, Fuel for energy, heat & propulsion, Fumigation, Gas chromatography (GC), Glass, Heat treatment & surface treatment of metals, Hydrogenation, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Lasers, Leak detection, Lighting, Metals cutting & welding, Metals refining & mining, Metals surface treatment & heat treatment, Mining & metals refining, Nuclear power, Odorization, Petrochemical & refineries, pH control, Pharmaceuticals, Power generation & transmission, Process control instrument calibration, Process control instrument operation, Rubber, Semiconductor & electronics, Solvent, Stack emissions testing, Steel making, Textiles & fabrics, Water treatment & purification, Welding metals

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