

HiQ® Specialty Gases Finder.



Ammonia NH₃

Ammonia (R-717), R-717



ADR Class 2,2TC

DOT Class 2.3

CAS: 7664-41-7 EC: 231-635-3 UN: 1005

Ammonia 3.8

Purity \geq 99.98% (Contact local team for exact specification)

Impurities [ppm]

99.98% (Contact local team for exact specification)

HiQ Ammonia 4.5

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

Impurities [ppm]

99.995% (Contact local team for exact specification) H₂O \leq 5 O₂ \leq 5 N₂ \leq 30 CO \leq 5 CO₂ \leq 1 CnHm \leq 2

HiQ Ammonia 5.0

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

Impurities [ppm]

99.999% (Contact local team for exact specification) H₂O \leq 1 O₂ \leq 1 N₂ \leq 4 CO \leq 1 CO₂ \leq 1 CnHm \leq 1

HiQ Ammonia 6.0

Purity \geq 99.9999% (Contact local team for exact specification)

Impurities [ppm]

99.9999% (Contact local team for exact specification) H₂O \leq 0.2 O₂ \leq 0.1 N₂ \leq 0.5 CO \leq 0.1 CO₂ \leq 0.2
CnHm \leq 0.1 Fe \leq 0.1

Typical Filling Pressure: 15 °C: 7.3 bar(a) 70 °F: 114 psi(g)

Characteristics

Colourless flammable liquefied gas with a penetrating and suffocating odour.

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.

Hazard classifications

EC C&L



R-Phrases

R10:

Flammable

R23:

Toxic by inhalation

R34:

Causes burns

R50:

Very toxic to aquatic organisms

EU GHS C&L - Reg 1272/2008

Signal Word: **DANGER**



H-Statements

Physical Hazards

Liquefied Gas -> H280:

Contains gas under pressure; may explode if heated

H221:

Flammable gas

Health Hazards

H331:

Toxic if inhaled

H314:

Causes severe skin burns and eye damage

Environmental Hazards

H400:

Very toxic to aquatic life

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

Agriculture & horticulture, Air conditioning & refrigeration, Air quality monitoring, Analytical chemistry, Calibration gas mixtures, Chemical synthesis, Corrosion protection, Electronics & semiconductor, Emissions control, Environmental monitoring, Fuel cells, Heat treatment & surface treatment of metals, Horticulture & agriculture, Hydrogenation, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Mass Spectrometry (GC-MS & ICP-MS), Metals cutting & welding, Metals refining & mining, Metals surface treatment & heat treatment, Mining & metals refining, Petrochemical & refineries, Pharmaceuticals, Process control instrument calibration, Process control instrument operation, Pulp, paper & printing, Refrigeration & air conditioning, Rubber, Semiconductor & electronics, Solvent, Stack emissions testing, Sterilization, Water treatment & purification, Welding metals

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