

# HiQ® Specialty Gases Finder.



## Ammonia NH<sub>3</sub>

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 >= 99.98% (Contact local team for exact specification)**

#### Impurities [ppm]

99.98% (Contact local team for exact specification)

### HiQ Ammonia 4.5

**Purity >= 99.995% (Contact local team for exact specification)**

#### Impurities [ppm]

99.995% (Contact local team for exact specification)    H<sub>2</sub>O<=5    O<sub>2</sub><=5    N<sub>2</sub><=30    CO<=5    CO<sub>2</sub><=1    CnHm<=2

### HiQ Ammonia 5.0

**Purity >= 99.999% (Contact local team for exact specification)**

#### Impurities [ppm]

99.999% (Contact local team for exact specification)    H<sub>2</sub>O<=1    O<sub>2</sub><=1    N<sub>2</sub><=4    CO<=1    CO<sub>2</sub><=1    CnHm<=1

### HiQ Ammonia 6.0

**Purity >= 99.9999% (Contact local team for exact specification)**

#### Impurities [ppm]

99.9999% (Contact local team for exact specification)    H<sub>2</sub>O<=0.2    O<sub>2</sub><=0.1    N<sub>2</sub><=0.5    CO<=0.1    CO<sub>2</sub><=0.2  
CnHm<=0.1    Fe<=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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