

# HiQ<sup>®</sup> Specialty Gases Finder.



## Argon Ar



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



DOT Class 2.2

CAS: 7440-37-1 EC: 231-147-0 UN: 1006 (Compressed); 1951 (Refrigerated liquid)

### HiQ Argon 4.8

HiQ Product Code: 104

Purity  $\geq$  99.998%

Impurities [ppm]

99.998% H<sub>2</sub>O $\leq$ 5 O<sub>2</sub> $\leq$ 5 N<sub>2</sub> $\leq$ 10

### HiQ Argon 5.0

HiQ Product Code: 105

Purity  $\geq$  99.999%

Impurities [ppm]

99.999% H<sub>2</sub>O $\leq$ 3 O<sub>2</sub> $\leq$ 2 CnHm $\leq$ 0.5 N<sub>2</sub> $\leq$ 5

### HiQ Argon 6.0

HiQ Product Code: 106

Purity  $\geq$  99.9999%

Impurities [ppm]

99.9999% H<sub>2</sub>O $\leq$ 0.5 O<sub>2</sub> $\leq$ 0.5 CnHm $\leq$ 0.1 CO $\leq$ 0.1 CO<sub>2</sub> $\leq$ 0.1 N<sub>2</sub> $\leq$ 0.5 H<sub>2</sub> $\leq$ 0.5

### VERISEQ Process Argon (Pharmaceutical grade)

Purity  $\geq$  99.998%

Impurities [ppm]

99.998% H<sub>2</sub>O $\leq$ 5 O<sub>2</sub> $\leq$ 5 N<sub>2</sub> $\leq$ 10 CH<sub>4</sub> $\leq$ 1

### HiQ Argon 5.0 Zero

HiQ Product Code: 107

Purity  $\geq$  99.999%

Impurities [ppm]

99.999% H<sub>2</sub>O $\leq$ 3 O<sub>2</sub> $\leq$ 2 CnHm $\leq$ 0.2 CO $\leq$ 1 CO<sub>2</sub> $\leq$ 1 N<sub>2</sub> $\leq$ 5

### HiQ Argon 7.0

HiQ Product Code: 108

Purity  $\geq$  99.99999%

Impurities [ppm]

99.99999% H<sub>2</sub>O $\leq$ 50 ppb O<sub>2</sub> $\leq$ 30 ppb CnHm $\leq$ 30 ppb CO $\leq$ 30 ppb CO<sub>2</sub> $\leq$ 30 ppb H<sub>2</sub> $\leq$ 30 ppb  
halocarbons $\leq$ 1 ppb

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

### Characteristics

Colourless and odourless gas. Non-reactive. Inert. Asphyxiant in high concentrations.

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

Linde AG

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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, Atomic Adsorption Spectroscopy (AAS), Beverages, beer & wine, Calibration gas mixtures, Cryosurgery, Emissions control, Environmental monitoring, Fire suppression, Gas chromatography (GC), Heat treatment & surface treatment of metals, Inerting, Instrument calibration, Instrument setup & operation, Laboratory & process control instrumentation, Lasers, Lighting, Mass Spectrometry (GC-MS & ICP-MS), Metals cutting & welding, Metals surface treatment & heat treatment, Nuclear counters & radioactivity detectors, Pharmaceuticals, Plasma etch, Process control instrument calibration, Process control instrument operation, Radioactivity detectors & nuclear counters, Sputtering, Stack emissions testing, Steel making, Welding metals, Windows & glazing, Zero setting for analyzers

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