

ALPHAGAZ™ 1 ARGON / Ar



Air Liquide's Gas Encyclopedia - Pages: 85 - 114

Applications

Instrumentation Gas: Plasma

Purge gas

Transport information

Compressed gas cylinders

Proper shipping name	Argon, compressed
UN-Nr	1006
ADR/RID	Class 2
	Classification code 1A

Refrigerated Gases

Proper shipping name	Argon, refrigerated liquid
UN-Nr	1951
ADR/RID	Class 2
	Classification code 3A



Safety Data Sheets

Compressed gas : SDS-003A-CLP

Access: [https://www.msds-al.co.uk/assets/file_assets/SDS-003A-CLP_Argon\(7440-37-1\).pdf](https://www.msds-al.co.uk/assets/file_assets/SDS-003A-CLP_Argon(7440-37-1).pdf)

Physical information

Molecular weight	39,95 g/mol
Relative density:	
Relative density, gas	1,38 (air=1)
Relative density, liquid	1,4 (water=1)
Relative density, liquefied Gas	1,4 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7440-37-1

Properties

Hazards identification: Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

Flammability range: Inert; non-flammable



Cylinder equipment

Valve fittings

BS341 - No 3

Shoulder colour:

Dark green (RAL 6001)



Product Specifications

Global purity (% Vol. abs)	Impuretés (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
Ar							
≥ 99,999 %	H ₂ O	≤ 2 ppm	Cylinder	50L SMARTOP	200 bar	10,5 m3	P0021L50S2A001
	O ₂	≤ 2 ppm					
	O ₂ + Ar	≤ 0,5 mol ppm					
	CO ₂	≤ 0,5 mol ppm					
	CO	≤ 0,5 mol ppm					

Additional information

Storability: 60 months

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