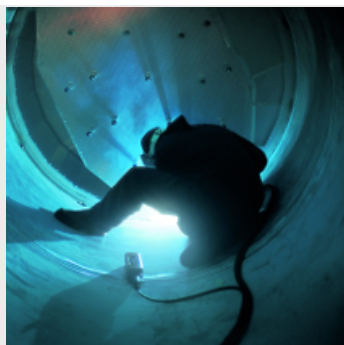


ARCAL™ Prime / Ar



ARCAL™ : the Air Liquide solution for shielding gases and mixtures in arc welding
ARCAL™ Prime : The pure solution

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

Applications

TIG and plasma welding of all materials
 MIG welding of aluminium and copper alloys
 Root shielding of all materials
 Plasma cutting
 Forming gas

Transport information

Compressed gases

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-000139

Access:

https://drive.google.com/open?id=1WqBMEfAC_kxuM_h26hKR_MgkQXoksW3R&usp=drive_copy

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: Non-flammable



Cylinder equipment

Valve fittings

ALTOP/EXELTOP: BS EN 561 Quick Connect
 SMARTOP: NEVOC (300 bar)
 Bundles : 2 x NEVOC (300 bar) valve outlets

Shoulder colour:

Dark green (RAL 6001)



Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
Ar							
≥ 99,998 %	H ₂ O (5 bar)	≤ 5 ppm v/v	Cylinder	33L ALTOP	300 bar	9,96 m3	I2013L33A3A001
	O ₂	≤ 5 ppm v/v	Cylinder	33L EXELTOP	300 bar	9,96 m3	I2013L33E3A001
	N ₂	≤ 10 ppm v/v	Cylinder	33L QLIXBI	300 bar	9,96 m3	I2013L33J3A001
			Cylinder	50L	230 bar	13,7 m3	I2013L50J4A001
			Cylinder	50L	300 bar	15,8 m3	I2013L50J3A001
			Bundle	V16*50L	300 bar	243,9 m3	I2013V16R3A001

Additional information

Product compliant with EN ISO 14175-I1-Ar Standard (welding application).

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