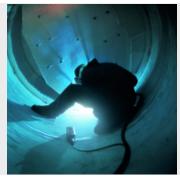
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ARCAL™ PRIME / Ar



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 : N° EIGA003A-ARC Access: https://be.airliquide.com/

Physical information

Molecular weight

Relative density:

Relative density, gas

Relative density, liquid

Relative density, liquid

Relative density, liquefied Gas

1.4 (water=1)

Colour

Colorless

Odor

Odorless

CAS number

7440-37-1

39,95 g/mol

Properties

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

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

ALTOP / EXELTOP: Quick connector Cylinder: B4 - IS 21.7 x 1.814 right-hand male

Bundle: WW 1'1/8 right-hand male

Shoulder colour: Dark green (RAL 6001)





Product Specifications

Global purity (% Vol. abs) Ar	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,998 %	H ₂ O (5 bar)	≤ 5 ppm v/v	Cylinder	33L EXELTOP	300 bar	10 m³	I2013L33E3A001
	02	≤ 5 ppm v/v	Cylinder	50L ALTOP	200 bar	10,7 m³	I2013L50A2A001
	N ₂	≤ 10 ppm v/v	Cylinder	50L SMARTOP	200 bar	10,7 m³	I2013L50S2A001
			Bundle	V12*50L	200 bar	128 m³	I2013V12R2A001
			Bundle	H27*50L	200 bar	289 m³	I2013H27R2A001

Additional information

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



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