



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

Applications

MIG welding of aluminium and copper alloys
 TIG welding of all materials
 TIG welding of H2 sensitive materials
 Annular gas for plasma welding of aluminium

Transport information

Compressed gas cylinders

Proper shipping name	Compressed gas, N.S.A. (Argon, Helium)
UN-Nr	1956
ADR/RID	Class 2 Classification code 1A



Safety Data Sheets

Compressed gas : N°300-15-004ALBNL-ARC
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	Mix
Relative density:	
Relative density, gas	Heavier than air
Colour	Colorless
Odor	Odorless

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



Cylinder equipment

Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand male

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

Shoulder colour:

Bright green (RAL 6018)



Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
He	20 %	±2 %	H ₂ O (5 bar)	≤ 40	Cylinder	50L	200 bar	10 m ³	I2590L50R2A001
Ar	Balance		O ₂	≤ 20	Bundle	V12*50L	200 bar	120 m ³	I2590V12R2A001
			N ₂	≤ 80					
			Total impurities	≤ 100					

Additional information

Product compliant with EN ISO 14175-I3-ArHe-20 Standard (welding application)

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