



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

Applications

Automatic MIG and TIG welding of aluminium alloys
 TIG welding of aluminium alloys in AC mode
 TIG welding of copper and nickel alloys (Monel)
 Annular gas for plasma welding of aluminium

Transport information

Compressed gas cylinders

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



Safety Data Sheets

Compressed gas : N°300-10-001ALBNL-ARC
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	Mix
Relative density:	
Relative density, gas	Lighter or similar to 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. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 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
Ar	30 %	±3 %	H ₂ O (5 bar)	≤ 40	Cylinder	50L	200 bar	10 m ³	I2600L50R2A001
He	Balance		O ₂	≤ 20					
			N ₂	≤ 80					
			Total impurities	≤ 100					

Additional information

Product compliant with EN ISO 14175-I3-HeAr-30 Standard (welding application)

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