

ARCAL™ 31



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 gases

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



Safety Data Sheets

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

Physical information

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. 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
 Quick coupling EN 561

Shoulder colour:

Bright green (RAL 6018)



Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
He	5 %	± 0.5 %	H ₂ O (5 bar)	≤ 5	Cylinder	50L	200 bar	10,7 m ³	I2580L50R2A001
Ar	Balance		O ₂	≤ 5	Cylinder	50L ALTOP	200 bar	10,7 m ³	I2580L50A2A001
			N ₂	≤ 10					

Additional information

Product compliant with EN ISO 14175-I3-ArHe-5 Standard (welding application)

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