



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

Applications

TIG and Plasma welding of austenites
TIG and Plasma welding of Nickel base alloys
Robotic welding of stainless steels
TIG multi-cathode welding of stainless tubings
Root shielding of austenitic stainless steels

Transport information

Compressed gas cylinders

Proper shipping name Compressed gas, inflammable,
N.O.S.
UN-Nr 1954
ADR/RID Class 2
Classification code 1 F



Safety Data Sheets

Compressed gas : N° 302-15-001ALBNL-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: Extremely flammable gas. Contains gas under pressure; may explode

Flammability range: Highly flammable

Personal protection: Do not smoke while handling product, ensure adequate ventilation



Cylinder equipment

Valve fittings

Cylinder: B8 - W 21.8 x 1.814 left-hand male
Bundle: WW 1' ¼ left-hand male

Shoulder colour:

Red (RAL 3000)



Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
H ₂	5 %	±0,5 %	H ₂ O (5 bar)	≤ 40	Cylinder	50L	200 bar	10,5 m³	I2550L50R2A001
Ar	Balance		O ₂	≤ 20	Bundle	V09*50L	200 bar	95 m³	I2550V09R2A001
			N ₂	≤ 80					

Additional information

Product compliant with EN ISO 14175-R1-ArH-5 Standard (welding application)

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