

ARCAL 32



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

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



● Safety Data Sheet

Access: www.airliquide.no

● Physical information

Relative density, gas heavier than air
 Colour colourless gas
 Odor none

● Properties

Hazards identification: in high concentrations may cause asphyxiation
 Flammability range: non flammable
 Personal protection: ensure adequate ventilation

● Cylinder equipment

Valve fittings :
 SMARTOP: W 24.32 x 1/14", right, external thread, DIN 10
 Shoulder colour: bright green (RAL 6018)



● Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	Capacity (m³)	Product reference
He	20 %	±2 %	H ₂ O (5 bar) ≤ 40	Cylinder	M20 Smartop	200	4.3	I2590M20S2A001
Ar	Balance		O ₂ ≤ 20	Cylinder	L50 Smartop	200	10.7	I2590L50S2A001
			N ₂ ≤ 80					
			Total impurities ≤ 100					

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

DISCLAIMER

The information contained in this Product Sheet is of a general nature and does not take into account any specific or local condition or regulation and shall neither be considered as recommendations. AIR LIQUIDE assumes no liability or responsibility regarding the information contained in this Product Sheet, the completeness of this document, for the use of the information or consequences of such use, and disclaims all warranties (direct or indirect) of any kind.