



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

Air Liquide's Gas Encyclopedia - Pages: 85 - 114

Applications

TIG and plasma welding of all materials
 MIG welding of aluminium and copper alloys
 Root shielding of all materials
 Plasma cutting
 Forming gas

Transport information

Compressed gases

Proper shipping name	Argon, compressed
UN-Nr	1006
ADR/RID	Class 2
	Classification code 1A

Refrigerated Gases

Proper shipping name	Argon, refrigerated liquid
UN-Nr	1951
ADR/RID	Class 2
	Classification code 3A



Safety Data Sheets

Compressed gas : N° EIGA003A-ARC
 Access: <https://be.airliquide.com/>
 Liquefied gas : N° EIGA003B-ARC
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	39,95 g/mol
Relative density:	
Relative density, gas	1.38 (air=1)
Relative density, liquid	1.4 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7440-37-1

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:

Dark green (RAL 6001)



Product Specifications

Global purity (% Vol. abs) Ar	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,998 %	H ₂ O (5 bar) ≤ 5	Cylinder	20L	200 bar	4,3 m ³	I2010M20R2A001
	O ₂ ≤ 5	Liquid	-			I2140RG
	N ₂ ≤ 10					

Additional information

Product compliant with EN ISO 14175-I1-Ar Standard (welding application)

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