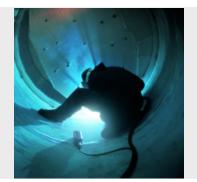
Air Liquide

ARCAL[™] 1 / Ar



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
UN-Nr
ADR/RID

Argon, refrigerated liquid 1951 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/

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

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 m³	I2010M20R2A001
	02	≤ 5	Liquid	-			I2140RG
	N ₂	≤ 10					

Additional information

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

Air Liquide

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