

HYDROGEN N40 / H₂



Air Liquide produces and delivers hydrogen throughout Europe in total safety, in a mode of supply to suit our customer's needs: cylinder, tube trailer or on-site production

Air Liquide's Gas Encyclopedia - Pages: 889 - 914

Applications

Burner gas
Reduction agent
Heat treatment: Reducing medium during sintering, bright annealing, brazing and high-pressure gas quenching after vacuum carburizing

Transport information

Compressed gases

Proper shipping name	Hydrogen, compressed
UN-Nr	1049
ADR/RID	Class 2
	Classification code 1F

Liquified Gases

Proper shipping name	Hydrogen, refrigerated liquid
UN-Nr	1966
ADR/RID	Class 2
	Classification code 3 F



Safety Data Sheets

Compressed gas : N° EIGA067A
Access: <https://be.airliquide.com/>
Liquefied gas : N° EIGA067B-ALBNL
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	2 g/mol
Relative density:	
Relative density, gas	0.07 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	1333-74-0

Properties

Hazards identification: Extremely flammable gas. Contains gas under pressure; may explode

Personal protection: When handling the product provide adequate ventilation, do not smoke



Cylinder equipment

Valve fittings

Cylinder: B8 - W 21.8 x 1.814 left-hand, male
Bundle: WW 1" 1/4 left-hand, male

Shoulder colour:

Red (RAL 3000)



Product Specifications

Global purity (% Vol. abs) H ₂	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,99 %	H ₂ O (5 bar) ≤ 5	Cylinder	50L	200 bar	10 m ³	I7010L50R2A001
	N ₂ ≤ 100	Bundle	V09*50L	200 bar	90 m ³	I7010V09R2A001
	O ₂ ≤ 3	Bundle	V16*50L	200 bar	160 m ³	I7010V16R2A001
		Bundle	H27*50L	200 bar	270 m ³	I7010H27R2A001
		Tube trailer	Tube Trailer	200 bar		I7207RG

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