

ALPHAGAZ™ 2 HYDROGEN / H₂



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

Applications

Instrumentation Gas: Fuel
Carrier gas
Reaction gas
Process Gas

Transport information

Compressed gas cylinders

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



Safety Data Sheets

Compressed gas : SDS-067A-CLP
Access: [https://www.msds-al.co.uk/assets/file_assets/SDS-067A_CLP_Hydrogen\(1333-74-0\).pdf](https://www.msds-al.co.uk/assets/file_assets/SDS-067A_CLP_Hydrogen(1333-74-0).pdf)

Physical information

Molecular weight 2,016 g/mol
Relative density:
 Relative density, gas 0,07 (air=1)
 Relative density, liquefied 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

Flammability range: 4 to 77 vol.% in air



Cylinder equipment

Valve fittings
BS341 - No 4
Shoulder colour:
Red (RAL 3000)



Product Specifications

Global purity (% Vol. abs)	Impuretés (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
H ₂							
≥ 99,9999 mol %	H ₂ O (5 bar)	≤ 0.5	Cylinder	50L	200 bar	8,8 m3	P0232L50R2A001
	O ₂	≤ 0.1					
	CO	≤ 0.1					
	CO ₂	≤ 0.1					
	CnHm	≤ 0.1					

Additional information

Storability: 60 months

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