

# HYDROGEN



*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*

### ● Applications

- Metals heat treatment
- Desulfurizing of petroleum-based fuels
- Glass treatment
- Fuel cells

### ● Transport information

#### Compressed gas

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



### ● Physical information

Molecular weight . . . . . 2.016 g/mol  
 Relative density, gas . . . . . 0.07 (air=1)  
 CAS number . . . . . 1333-74-0

### ● Properties

Hazards identification: extremely flammable  
 Flammability range: 4 - 75 vol% in air  
 Personal protection: ensure adequate ventilation, do not smoke while handling product.

### ● Cylinder equipment

Valve fittings :  
 W 21.8 x 1/14", left, external thread, DIN 1  
 Shoulder colour: red (RAL 3000)



### ● Safety Data Sheet

Access: [www.airliquide.no](http://www.airliquide.no)

### ● Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	Capacity (m <sup>3</sup> )	Product reference
H <sub>2</sub>						
≥ 99.9	H <sub>2</sub> O ≤ 40	Cylinder	S10	200	1.8	I7001S10R2A001
	O <sub>2</sub> ≤ 10	Cylinder	M20	200	3.6	I7001M20R2A001
		Cylinder	L50	200	9.1	I7001L50R2A001
		Bundle	V12	200	109.1	I7001V12R2A001
		Bundle	H20	200	181.8	I7001H20R2A001

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