

# HYDROGEN HP



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

- **Applications**

Carrier gas (GC)  
Instrumentation gas (Flame, Thermal analysis,...)

- **Transport information**

Compressed gas

Proper shipping name  
UN Nr  
ADR/RID

Hydrogen, compressed  
1049  
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: CGA 350  
Cylinder color: Red



- **Safety Data sheets**

Access:

- **Product Specification**

Components (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (m3)
H2					
≥ 99.995%	H2O ≤ 5	Cylinder	47L	150	7
	O2 ≤ 5	Cylinder	50L	200	10
		Pack 16	50L	200	162

\*Typical capacities of the product are guaranteed for each cylinder in particular.

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