

## Hydrogen H2 - Data

### Hydrogen

**DESCRIPTION:** A colorless, odorless, flammable gas.

**Purity:** Technical Grade A: 99.95%  
 H/P Grade B: 99.99%  
 UHP (ULTRA HIGH PURITY): 99.999% - CGA G-5.3-97 TYPE I, GRADE L

**MIL-BB-H-886E** Technical Grade A & H/P Grade B **VALVE:** CGA-350

**CYLINDER COLORS:** shoulder/body; "YELLOW"  
 (1) band; "BLACK"



**SHIPPING DATA**

**SHIPPING NAME:** Hydrogen, Compressed

**DOT Label:** Flammable Gas

**ID NO:** UN1049 **DOT Class:** 2.1

**Flammability Limits:** 4.0-75% in Air

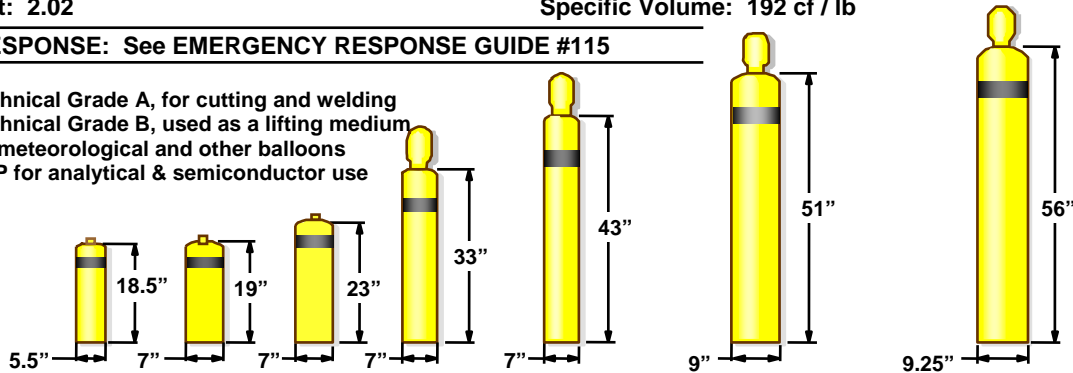
**CAS Registry:** 1333-74-0

**Molecular Weight:** 2.02

**Specific Volume:** 192 cf / lb

**EMERGENCY RESPONSE:** See EMERGENCY RESPONSE GUIDE #115

- USES**
- (1) Technical Grade A, for cutting and welding
  - (2) Technical Grade B, used as a lifting medium for meteorological and other balloons
  - (3) UHP for analytical & semiconductor use



Steel

**Cylinder Styles**

**Tare (empty) weight** call 10 lb. call 23 lb. call 30 lb. call 40 lb. call 55 lb. call 55 lb. 200 220 250 call call 105 lb. 114 lb. 115 lb. 135 lb. 180 lb. 270 lb.

### Technical Grade A & Ultra High Purity Grade, Cross Reference Numbers / Prices

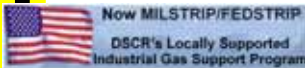
Cyl. style	GAS Number		Gas fill Price Ea.	CYLINDER (empty cylinder)			RANGE cf / Psi	
	NSN's	<sup>1/</sup> Stoody Part #		NSN's	Stoody Part #	Price Ea.		
200	-	H2-175CF	\$70.00	-	CH2-200	\$243.75	175-193	1800
220	-	H2-194CF	\$80.00	-	CH2-220	\$255.00	194 - 210	2015
250	6830014311196	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program		8120011784754	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program		211	2265
250 UHP	6830004745789	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program		8120011784754	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program		211	2265
250 UHP	-	EXH2-213UHP	\$195.00	-	-	-	211 - 213	2265

### High Purity Grade B, Cross Ref. Numbers / Prices

Cyl. style	GAS Number		Gas fill Price Ea.	CYLINDER (empty cyl.)			RANGE cf / Psi	
	NSN's	<sup>1/</sup> Stoody Part #		NSN's	Stoody Part #	Price Ea.		
250	-	H2-213CF	\$70.00	-	CH2-250A	\$265.00	211 - 213	2265
250	6830010032698	EXH2-213CF	\$98.00	-	See above	-	211 - 213	2265

<sup>1/</sup>The refill price on gas cylinder exchange part numbers beginning with an "EX" includes basic cylinder maintenance services

Stoody Industrial & Welding Supply, Inc. has teamed with Haas Group International (HGI) to locally support this item under HGI/ Defense Logistics Agency - Aviation (DLAA) contract #SPM4AR-07-D-0100. Once your order has been placed Stoody Industrial & Welding Supply, Inc will arrange delivery of full cylinder(s), and pick-up of qualified empty cylinder(s) within 2 – 5 days and typically no later than 12 days (according to the Issue Priority Group [IPG] you select).



Non-MILSTRIP/FEDSTRIP items may be ordered directly from Stoody Industrial & Welding Supply, Inc.

To order your MILSTRIP/FEDSTRIP items, you may use these methods:

- (1) Service/Government agency automated ordering systems using MILSTRIP/FEDSTRIP (Standard Form 344) – (this is the preferred method)
- (2) Email your MILSTRIP/FEDSTRIP order to DLA's Customer Interaction Center at: [DLAContactCenter@dla.mil](mailto:DLAContactCenter@dla.mil)
- (3) Call your MILSTRIP/FEDSTRIP order in to DESX, which uses voice recognition, at 1-877-DLA-CALL
- (4) Online shopping using a Government credit card through the DoD E-Mail at: <https://dod-email.dla.mil> call 1-877-352-2255 DSN 661-7766



For MILSTRIP/FEDSTRIP item program questions, call 1-866-724-0932  
 To speak with a DLA Customer Interaction Center representative, call 1-877-DLA-CALL