

Transportation Information
UN Number: 1049


Shipping Name	United States of America	Canada	Mexico
Shipping Name	Hydrogen, Compressed	Hydrogen	Hydrogen, Compressed
Hazard Class	2.1	2.1	2.1
Label	Flammable Gas	Flammable Gas	Flammable Gas

Formula
 H_2
MSDS Reference

P-4604

CAS Number

1333 - 74 - 0

General Description

Colorless, odorless, flammable gas.

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content ft ³ /m ³	Regulator Recommendations See Section F, Page 2
HY 6.0RS	6.0 Research	99.9999 %	T	261/7.24	400 Series: Non-corrosive
		O ₂ < 0.1 ppm	K	196/5.44	
		H ₂ O < 0.5 ppm	RB	50L	
		CO ₂ < 0.1 ppm			
		CO < 0.1 ppm			
		THC < 0.1 ppm			
		N ₂ < 0.5 ppm			
		Ar < 0.1 ppm			
HY 5.0MF	5.0 Methanizer FID	99.999 %	T	261/7.24	400 Series: Non-corrosive
		O ₂ < 1 ppm	K	196/5.44	
		H ₂ O < 3 ppm			
		CO ₂ < 5 ppb			
		CO < 5 ppb			
		THC < 0.5 ppm			
		N ₂ < 3 ppm			
HY 5.0UH	5.0 Ultra High Purity	99.999 %	T	261/7.24	400 Series: Non-corrosive
		O ₂ < 1 ppm	K	196/5.44	
		H ₂ O < 3 ppm	Q	65/1.80	
		THC < 0.5 ppm			
HY 4.5TC	4.5 Total Organic Carbon	99.995 %	T	261/7.24	300 Series: Non-corrosive 200 Series: Non-corrosive
		H ₂ O < 5 ppm			
		CO ₂ < 0.1 ppm			
		CO < 0.1 ppm			
		THC < 0.1 ppm			
HY 4.5Z	4.5 Zero	99.995 %	T	261/7.24	300 Series: Non-corrosive 200 Series: Non-corrosive
		H ₂ O < 5 ppm	K	196/5.44	
		THC < 0.5 ppm			

Note: While Praxair has supplied hydrogen for a large variety of fuel cell projects and demonstrations, specifications for commercial fuel cell hydrogen have not been finalized. Please contact your local Praxair representative regarding hydrogen requirements for fuel cell applications.