

HYDROGEN USES in the US Alone (Over 3 Billion Cubic Feet per year required)

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* commercial fixation of nitrogen from the air in the Haber ammonia process * hydrogenation of fats and oils

* methanol production, in hydrodealkylation, hydrocracking, and hydrodesulphurization * rocket fuel

* welding

* production of hydrochloric acid

* reduction of metallic ores

for filling balloons (hydrogen gas much lighter than air; however it ignites easily) liquid H₂ is important in cryogenics and in the study of superconductivity since its melting point is only just above absolute zero Electric Generator hydrogen cooling systems Electronics hydrogen uses

Laboratory and scientific hydrogen use Materials Processing, Heat Treating and P/M Atmospheres Meteorological hydrogen supply systems Hydrogen for deoxo systems

* Great quantities are required commercially for the fixation of nitrogen from the air in the Haber ammonia process.

* used in large quantities in methanol production, in hydrodealkylation, hydrocracking, and hydrodesulfurization.

* Electronic chip production.

* Hospital Treatments.

The New Markes:

Internal Combustion Vehicles converted to burn hydrogen Fuel Cell Vehicles

Portable power systems using fuel cells Back-up generators using fuel cells.