

Global Hydrocarbon Propellant Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Hydrocarbon Propellant market size is expected to reach \$ 8304 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Hydrocarbon propellant refers to a class of gaseous or liquefied petroleum-based hydrocarbons—primarily propane (C₃H₈), n-butane, isobutane, and blends thereof—used as the pressurizing and expelling medium in aerosol products, fuel cartridges, refrigeration systems, and certain foam/insulation applications. These propellants are favored for their high vapor pressure stability, clean combustion, compatibility with many formulations, and relatively low cost compared with compressed gases. The supply chain begins upstream with crude oil and natural gas extraction, followed by midstream refining and natural gas processing where LPG (liquefied petroleum gas) fractions are separated and purified; downstream stages include fractionation, blending to specific vapor-pressure specifications, odorization (if required), bulk storage in pressurized tanks, cylinder filling or aerosol can charging, and distribution to end-use sectors such as personal care, household products, pharmaceuticals, food sprays, industrial lubricants, and portable fuel systems. Quality control, flammability compliance (e.g., DOT/ADR transport rules), and formulation compatibility testing are critical steps throughout the chain to ensure safety and performance. In 2025, global hydrocarbon propellant production totaled approximately 6.4 million tons, supported by an installed capacity of about 7.9 million tons. Market prices ranged between USD 680 and 1,250 per ton, while average industry gross margins stood at roughly 22%.

This report studies the global Hydrocarbon Propellant production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for

Hydrocarbon Propellant and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Hydrocarbon Propellant that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hydrocarbon Propellant total production and demand, 2021-2032, (Tons)

Global Hydrocarbon Propellant total production value, 2021-2032, (USD Million)

Global Hydrocarbon Propellant production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Hydrocarbon Propellant consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Hydrocarbon Propellant domestic production, consumption, key domestic manufacturers and share

Global Hydrocarbon Propellant production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Hydrocarbon Propellant production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Hydrocarbon Propellant production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Hydrocarbon Propellant market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Aeropres (USA), Diversified CPC (USA), Chevron Phillips Chemical (USA), Valero Energy (USA), Exxon Mobil (USA), Shell (UK), BP Group (UK), Harp International (UK), Westfalen (Germany), SHV Gas Group (Netherlands), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Hydrocarbon Propellant market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Hydrocarbon Propellant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hydrocarbon Propellant Market, Segmentation by Type:

Odorized Type

Deodorized Type

Global Hydrocarbon Propellant Market, Segmentation by Chemical Composition:

Propane

Butane

Isobutane

Propane/Butane Blend

Isobutane/Butane Blend

Global Hydrocarbon Propellant Market, Segmentation by Application:

Pharmaceutical

Personal Care

Food & Beverage

HVAC System

Automotive

Agriculture

Others

Companies Profiled:

Aeropres (USA)

Diversified CPC (USA)

Chevron Phillips Chemical (USA)

Valero Energy (USA)

Exxon Mobil (USA)

Shell (UK)

BP Group (UK)

Harp International (UK)

Westfalen (Germany)

SHV Gas Group (Netherlands)

SCAL (China)

Sinopec (China)

Jiutai Energy (China)

Mitsui Chemicals (Japan)

Yeochun NCC (South Korea)

Bharat Petroleum (India)

Emirates Gas (UAE)

Key Questions Answered:

1. How big is the global Hydrocarbon Propellant market?
2. What is the demand of the global Hydrocarbon Propellant market?
3. What is the year over year growth of the global Hydrocarbon Propellant market?
4. What is the production and production value of the global Hydrocarbon Propellant market?
5. Who are the key producers in the global Hydrocarbon Propellant market?
6. What are the growth factors driving the market demand?

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