

# Global Heptaldehyde Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Heptaldehyde market size is expected to reach \$ 3.51 million by 2032, rising at a market growth of 3.9% CAGR during the forecast period (2026-2032).

Heptaldehyde, also known as n-heptanal, is a colorless or slightly yellowish oily liquid with a strong fruity and fatty aroma. As a saturated straight-chain fatty aldehyde, it is mainly used in the synthesis of fragrances (such as jasmine aldehyde) and pharmaceuticals. It is present in various essential oils and is also obtained from the cracking of castor oil.

The upstream segment primarily relies on bio-based raw materials and petrochemicals. The core raw material is castor oil, which is processed through high-temperature cracking to produce heptanal and undecylenic acid. This is currently the main industrial production route, therefore, the cultivation and processing of castor seeds directly determine the cost of raw materials. In addition, the petrochemical route, through the carbonylation of 1-hexene, serves as a supplementary source.

Global sales are projected to be approximately 1000 tons in 2025, with an average market price of approximately US\$2590 per ton. The industry's gross profit margin is in the range of 15%-25%.

The main drivers of the current industry stem from the continuous demand for specific flavors and fragrances from the downstream fragrance and daily chemical industries, as well as the irreplaceable role of heptanal as a key intermediate in the synthesis of other high-value-added chemicals (such as alcohols, acids, and esters). With the increasing global demand for sustainable chemicals, particularly bio-based heptanal derived from castor oil, its substitution effect in high-end fragrances (such as jasmine aldehyde synthesis) and specialty lubricants is becoming increasingly significant.

However, the industry's growth also faces significant obstacles, including its relatively fragmented and specialized market, limited overall scale, and susceptibility to price fluctuations in upstream basic chemical raw materials (such as olefins).

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

This report is a detailed and comprehensive analysis of the world market for Heptaldehyde 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 Heptaldehyde that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

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

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

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

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

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

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

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

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

This report profiles key players in the global Heptaldehyde 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 Arkema, TOYO GOSEI, Huangshan Basihui Chemical Auxiliary, Zhongyue Aroma, 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 Heptaldehyde 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 Heptaldehyde Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Heptaldehyde Market, Segmentation by Type:

Purity?98%

Purity?99%

Other

### Global Heptaldehyde Market, Segmentation by Source:

Bio-based

Synthesis

Global Heptaldehyde Market, Segmentation by Grade:

Pharmaceutical Grade

Industrial Grade

Global Heptaldehyde Market, Segmentation by Application:

Synthetic Flavors

Pharmaceuticals

Other

Companies Profiled:

Arkema

TOYO GOSEI

Huangshan Basihui Chemical Auxiliary

Zhongyue Aroma

**Key Questions Answered:**

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

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