

n-Valeraldehyde Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

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Abstracts

n-Valeraldehyde Market Summary

Introduction

n-Valeraldehyde is a versatile aldehyde used as an intermediate in producing n-amyl alcohol and n-valeric acid, serving industries like flavors, plastics, and pharmaceuticals. The market is characterized by its role in chemical synthesis, driven by demand for downstream products and industrial growth. Trends include sustainable production and expanding applications in specialty chemicals.

Market Size and Growth Forecast

The global n-Valeraldehyde market was valued at USD 380 million to USD 620 million in 2024, with an estimated CAGR of 4.5% to 6.5% from 2025 to 2030, propelled by chemical and industrial needs.

Regional Analysis

North America grows at 4.0-6.0%, with the USA leading due to chemical production; trends focus on specialty uses.

Europe achieves a growth rate of 4.5-6.5%, driven by Germany; trends emphasize green synthesis.

Asia Pacific sees a growth rate of 5.0-7.0%, led by China; trends highlight industrial

expansion.

The Rest of the World records a growth rate of 4.0-6.0%, with India emerging; trends focus on cost-effective production.

Application Analysis

n-Amyl Alcohol expands at 4.5-6.5%; it serves flavors and solvents, with trends favoring sustainable sources.

n-Valeric Acid grows at 5.0-7.0%; it aids plastics and pharma, with trends focusing on high-purity grades.

Others rise at 4.0-6.0%; it includes niche uses, with trends exploring specialty chemicals.

Key Market Players

BASF, from Ludwigshafen, Germany, leads in chemicals, producing n-Valeraldehyde for diverse applications with innovation.

OQ Chemicals, based in Monheim, Germany, specializes in oxo intermediates, offering this compound for industrial use.

Zibo Nalcohol Chemical, from Zibo, China, focuses on aldehydes, crafting n-Valeraldehyde for cost-effective solutions.

Porter's Five Forces Analysis

The threat of new entrants is moderate; high capital costs deter entry, but demand encourages participation.

The threat of substitutes is moderate; alternative aldehydes compete but lack versatility.

Buyer power is moderate; quality drives demand, though buyers negotiate on volume.

Supplier power is moderate; petrochemical feedstocks create dependency.

Competitive rivalry is high; firms compete on cost and sustainability.

Market Opportunities and Challenges

Opportunities

Downstream product demand boosts growth.

Sustainable production opens markets.

Emerging industrial needs enhance scope.

Challenges

Raw material volatility affects pricing.

Environmental regulations increase costs.

Competition from substitutes limits share.

Growth Trend Analysis

Qianhe Wanhe's 20,000-ton n-Valeraldehyde and Xinxiang Jujing's 5,000-ton n-amyl alcohol projects in 2024 reflect a trend toward capacity expansion, supporting a projected CAGR of 4.5-6.5% through 2030, driven by industrial demand.

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