

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

https://marketpublishers.com/r/NF11F606BD7CEN.html

Date: March 2025

Pages: 77

Price: US\$ 3,200.00 (Single User License)

ID: NF11F606BD7CEN

Abstracts

n-Butyric Anhydride Market Summary

Introduction

n-Butyric Anhydride is a versatile chemical compound used as an intermediate in the synthesis of various products across multiple industries. It is primarily employed in the production of flavors and fragrances, pharmaceuticals, agrochemicals, dyes, lubricants, and other specialty chemicals. Known for its reactivity, n-Butyric Anhydride serves as a key building block in creating compounds like butyl butyryl lactate for flavors and n-butyryl chloride for agrochemical intermediates, such as herbicides. The market is driven by demand from end-use industries seeking high-quality chemical inputs, with applications ranging from food additives to crop protection solutions. Leading players like Eastman Chemical, Celanese, Shandong Sanwei Longbang New Materials Technology, and Jiangsu Hengxing New Material Technology shape the market through their production capabilities and innovation. The industry is characterized by its niche yet growing applications, supported by industrial advancements and capacity expansions, such as Shandong Sanwei's planned upgrade to 10,000 tons annually by 2024.

Market Size and Growth Forecast

The global n-Butyric Anhydride market is expected to reach a market size of 30-60 million USD by 2025, with a compound annual growth rate (CAGR) of 3.5-5.5%. This growth is propelled by increasing demand in flavors, pharmaceuticals, and agrochemicals.

Regional Analysis



The market shows distinct regional trends tied to industrial and agricultural activities:

Asia Pacific: Projected growth of 4.0-6.0%, driven by China's chemical manufacturing prowess and agricultural expansion in India. Shandong Sanwei's capacity upgrade reflects China's dominance in production.

North America: Expected at 3.0-4.5%, with the U.S. leading due to its strong flavors and pharmaceutical sectors.

Europe: Anticipated at 2.5-4.0%, supported by demand for high-quality food additives and agrochemicals in countries like Germany and France.

Trends highlight Asia Pacific's role as a production hub, with North America and Europe focusing on value-added applications.

Application Analysis

Flavors & Fragrances: Growth of 4.0-6.0%, driven by demand for compounds like butyl butyryl lactate in food and cosmetics. Trends favor natural and synthetic flavor innovations.

Pharmaceuticals: Projected at 3.5-5.5%, with n-Butyric Anhydride used in drug intermediates, supported by healthcare advancements.

Agrochemicals: Forecasted at 4.5-6.5%, fueled by its role in synthesizing n-butyryl chloride for herbicides like halauxifen-methyl, amid rising global food demand.

Dye: Expected at 2.0-3.5%, with steady use in textile industries.

Lubricants: Projected at 2.5-4.0%, driven by industrial applications.

Others: Growth of 2.0-3.5%, covering niche uses in specialty chemicals.

Key Market Players

Eastman Chemical: A leader in specialty chemicals, Eastman offers n-Butyric Anhydride for diverse applications.

Celanese: Known for chemical intermediates, Celanese supports flavors and industrial uses.

Shandong Sanwei: A Chinese firm expanding capacity to 10,000 tons, focusing on agrochemicals and flavors.

Jiangsu Hengxing: With 1,900 tons capacity, it caters to regional chemical demands.

Porter's Five Forces Analysis

Threat of New Entrants: Moderate, due to technical expertise and capital requirements.

Threat of Substitutes: Low, as few alternatives match its versatility.

Bargaining Power of Buyers: Moderate, with buyers seeking quality and cost balance.



Bargaining Power of Suppliers: High, given limited raw material sources.

Competitive Rivalry: Moderate, with a small pool of specialized players.

Market Opportunities and Challenges

Opportunities:

Rising demand for flavors and agrochemicals in emerging markets.

Capacity expansions enhancing supply capabilities.

Growth in pharmaceutical intermediates.

Challenges:

High production costs and raw material dependency.

Regulatory scrutiny on chemical safety.

Competition from alternative intermediates.



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