

United States Butyric Acid Market By Type (Synthetic, Non-Synthetic), By End Use (Animal Feed, Chemical Intermediates, Pharmaceuticals, Food & Beverage, Others), By Distribution Channel (Direct Sales, Direct Import, Distributors/Suppliers/Traders), By Region, Competition, Forecast and Opportunities, 2018-2028F

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Abstracts

United States Butyric Acid Market, valued at USD 185.23 million in 2022, is poised for robust growth throughout the forecast period, projected to exhibit a Compound Annual Growth Rate (CAGR) of 8.11% until 2028 and is expected to reach at USD 291.50 million by 2028. Butyric acid, also known as butanoic acid, is a carboxylic acid known for its distinct acrid taste. It is naturally occurring and can be found in the milk of farm animals such as goats, cows, buffalo, and sheep. This organic compound has gained significant attention due to the increasing demand for specialty chemicals across various industries, including pharmaceuticals, animal feed, food & beverage, and personal care.

The pharmaceutical, animal feed, food & beverage, and personal care industries have all experienced a surge in demand for butyric acid due to its diverse applications. It serves as a valuable ingredient in the production of pharmaceuticals, animal feed additives, and food flavorings. Additionally, it finds use in personal care products such as cosmetics and fragrances.

The rising prevalence of health-related issues, including diabetes, anxiety, and obesity, has contributed to increased demand for butyric acid as a dietary supplement. It is known to promote gut health and regulate metabolism, making it a sought-after health supplement.

The growing poultry industry and increased consumption of chicken in the United States have also driven the demand for butyric acid. Its antimicrobial properties make it an effective feed additive for improving poultry health and productivity.

Furthermore, butyric acid is gaining traction in the automotive and aerospace industries as a potential renewable energy source, contributing to the growing interest in alternative and biofuels.

As lifestyles change and more women enter the workforce in developing nations, the use of cosmetics has increased significantly. Butyric acid is used in the formulation of cosmetic products, such as skincare and haircare items, further driving its market growth.

Despite its promising outlook, the butyric acid market may face challenges related to fluctuating raw material prices and health hazards associated with its strong odor.

Key Market Drivers

Growing Demand for Butyric Acid in the Food & Beverage Industry: Butyric acid is widely used as a flavoring agent in the food and beverage industry due to its distinctive buttery aroma and taste. It enhances the taste of various products, including bakery goods, dairy products, snacks, confectionery, and beverages. It also serves as a natural preservative, extending the shelf life of perishable products. The demand for natural and organic food products has further boosted the use of natural butyric acid in the United States.

Rise in Demand for Animal Feed Additives: Butyric acid is recognized as an effective animal feed additive, promoting growth and improving performance in livestock. It acts as an energy source for intestinal cells, enhancing nutrient absorption and gut health. With the phasing out of antibiotic growth promoters, butyric acid has become a preferred choice among livestock producers, supporting sustainable and healthy livestock production.

Growing Demand for Butyric Acid in the Pharmaceutical Industry: Butyric acid's therapeutic properties, including anti-inflammatory, analgesic, antimicrobial, and anticancer effects, make it valuable in pharmaceutical formulations. It shows promise in cancer treatment and research and is explored as an adjuvant therapy for inflammatory bowel diseases. Butyric acid also plays a role in promoting gut health, leading to its use

in probiotics and prebiotics development.

Key Market Challenges

Odor Challenges: Butyric acid is known for its strong odor, resembling that of rotten cheese or vomit. This odor can deter consumers and pose challenges in formulating products that incorporate butyric acid without affecting sensory properties. Masking agents and encapsulation technologies may be required to mitigate the odor issue, adding complexity and cost to the manufacturing process.

Key Market Trends

Expansion of Anti-Inflammatory Properties: Butyric acid's anti-inflammatory properties are gaining recognition, making it a valuable ingredient in skincare formulations. It has shown promise in reducing skin irritation, redness, and inflammation. Additionally, its role in modulating gene expression and epigenetic mechanisms opens possibilities for personalized medicine in treating inflammatory disorders.

Segmental Insights

Type Insights: Synthetic butyric acid dominates the market due to its cost-effectiveness and suitability as a raw material in various sectors. Natural butyric acid is expected to gain prominence, driven by the demand for natural ingredients in food and beverage products and awareness of its health benefits.

End Use Insights: The animal feed segment is expected to experience rapid growth, highlighting butyric acid's role in enhancing animal nutrition and health.

Regional Insights

The Midwest region is the dominant player in the United States Butyric Acid Market, benefiting from its industrial infrastructure, abundant raw materials (corn cultivation), and concentration of pharmaceutical and food industries.

Key Market Players

Eastman Chemical Company

Kemin Industries, Inc.

Spectrum Chemicals

Vigon International, LLC

Blue Marble Biomaterials LLC (Socati Corporation)

Report Scope:

In this report, the United States Butyric Acid Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Butyric Acid Market, By Type:

Synthetic

Non-Synthetic

United States Butyric Acid Market, By End Use:

Animal Feed

Chemical Intermediates

Pharmaceuticals

Food & Beverage

Others

United States Butyric Acid Market, By Distribution Channel:

Direct Sales

Direct Import

Distributors/Suppliers/Traders

United States Butyric Acid Market, By Region:

Northeast

Midwest

South

West

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States Butyric Acid Market.

Available Customizations:

United States Butyric Acid Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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