Global Microcrystalline Cellulose Market By Raw Material (Wood And Non-Wood), End-Use Industry (Pharmaceuticals, Food & Beverage, Cosmetic & Personal Care, And Others), And Region

Microcrystalline cellulose is naturally occurring-partially depolymerized cellulose, obtained from wood pulp with mineral acids. It is also synthesized by microbial organisms such as fungi, bacteria, algae, and also marine animals. It is primarily used as an emulsifier, texturizer and as an anti-caking agent. It is an excellent extender used in pharmaceuticals and personal care products. High adoption of microcrystalline cellulose as a bulking agent and fat substitute in food production is also positively driving the market. Being a cellulose derivative and chemically inert, it is not degraded during digestion and has no significant absorption, which makes it suitable for pharmaceuticals, commonly in vitamin supplements, pellets, and tablets. The GRAS committee has identified it as safe when taken in normal quantities. However, higher consumption may lead to bowel movement and purgative effect.

The pharmaceutical is the leading industry with a maximum consumption of microcrystalline cellulose. The steady growth of the pharmaceuticals in developed economies such as Italy, Germany, and France is another driver of the market. Its application as an excipient in most of the pharmaceutical formulations is a propelling factor for the market. The increasing geriatric population coupled with other factors need a constant advancement in the pharmaceuticals, which, in turn, raises the demand for microcrystalline cellulose.

Rapid growth in the food & beverage industry and increasing demand for low-fat processed food is expected to favor the market growth during the forecast period. The rising demand for the low-fat packaged food products in developing economies due to the globalization and health-conscious consumers has fuelled the market growth. Packaged and processed food products need to be kept fresh for a longer period, for which the bulking, texturizing, and the anti-caking agents are required. These properties of microcrystalline cellulose are the key drivers of the market growth.

Global Microcrystalline Cellulose Market Share, by End-Use Industry (%)
Regional Analysis

The microcrystalline cellulose market is segmented into five major regions: North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

North America is dominating the global market owing to the technological developments in the food and pharmaceuticals sector in this region. The U.S accounts for a major market share in terms of revenue followed by Canada and is the major manufacturer of the product. The U.S. Pharmacopeial Convention has esteemed microcrystalline cellulose as an excipient, which has boosted the pharmaceuticals and surged the market growth. The rising demand for low-fat processed food by health-conscious consumers is likely to favor the market growth during the forecast period. The growing cosmetic and personal care industries in the European countries are the major drivers of the market. Countries such as Germany, U.K, France, and Italy are the major contributor owing to the largest markets for cosmetics and personal care products. The Asia Pacific is likely to emerge as the fastest growing market in the coming years. The availability of low-cost raw materials and labor, specifically in China, have favored the market growth. Improving medical support and easy availability of pharmaceuticals in Latin America and Africa are expected to boost the market growth in the coming future.

Rapid civilization in countries such as Mexico, South Korea, Thailand, and Brazil is expected to propel the market growth due to the growing demand for packaged food in these regions.

Segmentation

The global microcrystalline cellulose market is segmented on the basis of raw material, end-user, and region.

Based on the raw material, the global market is segregated into wood and non-wood. The non-wood based microcrystalline cellulose is likely to grow during the forecast period.

On the basis of the end-user, the market is divided into pharmaceuticals, food & beverage, cosmetics & personal care, and others.

The market is segmented into North America, Asia Pacific, Europe, Latin America, and the Middle East & Africa geographically.

Key Players

Some of the key players in the global microcrystalline cellulose are FMC Corporation (the U.S), Mingtai Chemical Co. Ltd. (Canada), DuPont (the U.S.), Blanver (Brazil), JRS PHARMA (the U.S.), Avantor (the U.S.), Mitsubishi Chemical Corporation (Japan), Asahi Kasei Corporation (Japan), FrieslandCampina (the Netherlands), Accent Microcell Pvt. Ltd (India), DFE Pharma (Germany), Sigachi Industries Pvt. Ltd. (India), Libraw Pharma (India), Huzhou City Linghu Xinwang Chemical Co., Ltd (China), and Shandong Xinda Biotechnology Co., Ltd (China).

Intended Audience

- Microcrystalline cellulose Manufacturers
- Traders and distributors of microcrystalline cellulose
• Research and development institutes
• Potential investors
• Raw material suppliers
• Nationalized laboratory

Contents: