Microcrystalline Cellulose Market Report by Source Type (Wood-based, Non-Wood Based), Route of Synthesis (Reactive Extrusion, Enzyme Mediated, Steam Explosion, Acid Hydrolysis, Mechanical Grinding, Ultrasonication), End User (Pharmaceutical, Food and Beverages, Cosmetics and Personal Care, and Others), and Region 2025-2033

Market Report | 2025-09-01 | 144 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User $3999.00
- Five User Licence $4999.00
- Enterprisewide License $5999.00

Report description:

The global microcrystalline cellulose market size reached USD 1,339 Million in 2024. Looking forward, IMARC Group expects the market to reach USD 1,952 Million by 2033, exhibiting a growth rate (CAGR) of 4.3% during 2025-2033.

Microcrystalline cellulose (MCC) refers to purified and depolymerized cellulose with shorter crystalline polymer chains. It is commonly used as a filler, disintegrant and bulking, binding, lubricating agent in drug formulations. MCC is manufactured through controlled partial hydrolysis, purification and drying of high purity wood cellulose and other fibrous plant material. It can also be commercially synthesized using reactive extrusion, enzyme-mediated synthesis, steam explosion and acid hydrolysis. It acts as a stability enhancer and auxiliary suspending agent. It is added to tablets, oral fluids, medicinal gels and chewable and mouth dissolving tablets and nutraceuticals for prolonged drug and nutrient release.

Microcrystalline Cellulose Market Trends:
Significant growth in the pharmaceutical industry across the globe is one of the key factors creating a positive outlook for the market. Moreover, the widespread adoption of MCC in the manufacturing of food and beverage products is providing a thrust to the market growth. MCC is a chemically inert and tasteless compound, which is used to produce low-fat dairy products, such as frozen yogurt, whipped cream and ice cream. It is extensively used as an anti-caking and suspending agent, stabilizer and a substitute for unhealthy fats and oils to achieve the desired consistency and texture in baked products. Additionally, the

increasing utilization of degradable bio-composites and reinforced polylactic acid for 3D printing is acting as another growth-inducing factor. MCC acts as an additive for the 3D fabrication of building and construction components with enhanced tensile and thermal strength and minimal waste and power consumption. Other factors, including the increasing demand for non-wood-based MCC manufactured using agricultural waste, along with extensive research and development (R&D) activities, are anticipated to drive the market toward growth.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global microcrystalline cellulose market report, along with forecasts at the global, regional and country level from 2025-2033. Our report has categorized the market based on source type, route of synthesis and end user.
Breakup by Source Type:
-Wood-based
-Non-wood based

Breakup by Route of Synthesis:
-Reactive Extrusion
-Enzyme Mediated
-Steam Explosion
-Acid Hydrolysis
-Mechanical Grinding
-Ultrasonication

Breakup by End User:
-Pharmaceutical
-Food and Beverages
-Cosmetics and Personal Care
-Others

Breakup by Region:
-North America
oUnited States
oCanada
-Asia-Pacific
oChina
oJapan
oIndia
oSouth Korea
oAustralia
oIndonesia
oOthers
-Europe
oGermany
oFrance
oUnited Kingdom
oItaly
oSpain
oRussia

o Others
- Latin America
o Brazil
o Mexico
o Others
- Middle East and Africa

Competitive Landscape:
The competitive landscape of the industry has also been examined along with the profiles of the key players being Accent Microcell Pvt. Ltd., Asahi Kasei Corporation, Chemfield Cellulose, DFE Pharma GmbH & Co. KG (Royal FrieslandCampina N.V.), DuPont de Nemours Inc, Huzhou City Linghu Xinwang Chemical Co., Ltd, JRS PHARMA GmbH & Co. KG, Mingtai Chemical Co Ltd., Rayonier Advanced Materials, Roquette Freres and Sigachi Industries.

Key Questions Answered in This Report
1.What was the size of the global microcrystalline cellulose market in 2024?
2.What is the expected growth rate of the global microcrystalline cellulose market during 2025-2033?
3.What are the key factors driving the global microcrystalline cellulose market?
4.What has been the impact of COVID-19 on the global microcrystalline cellulose market?
5.What is the breakup of the global microcrystalline cellulose market based on the source type?
6.What is the breakup of the global microcrystalline cellulose market based on the route of synthesis?
7.What is the breakup of the global microcrystalline cellulose market based on the end user?
8.What are the key regions in the global microcrystalline cellulose market?
9.Who are the key players/companies in the global microcrystalline cellulose market?

Table of Contents:

Microcrystalline Cellulose Market Report by Source Type (Wood-based, Non-Wood Based), Route of Synthesis (Reactive Extrusion, Enzyme Mediated, Steam Explosion, Acid Hydrolysis, Mechanical Grinding, Ultrasonication), End User (Pharmaceutical, Food and Beverages, Cosmetics and Personal Care, and Others), and Region 2025-2033

Market Report | 2025-09-01 | 144 pages | IMARC Group

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	$3999.00
	Five User Licence	$4999.00
	Enterprisewide License	$5999.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	

Address*		City*	
Zip Code*		Country*	
		Date	2026-03-04
		Signature	