

# **Microcapsule Market by Technology (Spray, Emulsion and Dripping), End-user Industry (Pharmaceuticals & Healthcare, Food, Household & Personal Care, Textiles, Agrochemicals), Shell Material, Core Material & Region - Global Forecast to 2026**

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## **Abstracts**

The market size of microcapsule is estimated at USD 8.4 billion in 2021 and is projected to reach USD 13.4 billion by 2026, at a CAGR of 9.8% from 2021 to 2026. The microcapsule market is on course for intense growth across different end-user industry verticals such as pharmaceuticals & healthcare, food, household & personal care, textiles, agrochemicals, and others. Manufacturers, producing microcapsule, are taking initiatives, and making huge investments in product launches and various business partnerships to improve the quality of their products and to augment their microcapsule business segment revenue.

A microcapsule is a small sphere with a uniform wall around it. The material inside the microcapsule is referred to as the core, internal phase, or fill, whereas the wall is commonly known as a shell, coating, or membrane. Microencapsulated particles have a diameter ranging from 3 to 800 micrometers.

There are various types of shell materials available for producing microcapsule, which include melamine formaldehyde, carbohydrates, gums & resins, other polymers, lipids and proteins. Among all these materials, carbohydrates segment is estimated to record highest growth in the microcapsule market during the forecast period. This is mainly due to the growing use of carbohydrates shell material in the food industry.

“Pharmaceutical & healthcare drugs to lead microcapsule market, by core material in terms of size, during forecast period”

By core material, pharmaceutical and healthcare drugs are estimated to dominate the market in terms of size. The rising demand for fortified foods with enhanced health benefits drives the need for microencapsulated pharmaceutical and healthcare drugs. Further, the food additives segment is expected to be the second-largest market during the forecast period. Increasing use of acidulants, flavoring, and coloring agents in fortified foods contributes to the substantially large share of the food additives segment in this market.

“Spray technologies estimated to hold larger size of microcapsule market than emulsion, dripping, and other technologies in 2021”

Spray technologies are estimated to account for the largest share of the microcapsule market in 2021 owing to their wide applications in the pharmaceuticals & healthcare, food, and household and personal care industries. Dripping technologies are likely to be the fastest-growing market during the forecast period, mainly due to the escalating demand for microencapsulated active ingredients in the pharmaceuticals industry across the world.

“North America is the largest region in the microcapsule market”

North America accounted for the largest share of the microcapsule market in 2020, followed by Europe. Fast-paced lifestyle of the consumers contributing to high demand for functional and fortified food products in North America and Europe. This, in turn, contributes to the high demand for microcapsules in these regions, mainly in the food industry.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 65%, Tier 2 – 20%, and Tier 3 – 15%

By Designation: C-level Executives – 25%, Managers – 30%, and Others– 45%

By Region: North America – 30%, Europe – 20%, Asia Pacific – 40%, South America – 3%, Middle East & Africa – 7%

The key market players in this market are BASF SE (Germany), International Flavors & Fragrances (US), Koninklijke DSM N.V. (Netherlands), Symrise AG (Germany),

Givaudan S.A. (Switzerland), Sensient Technologies Corporation (US), Royal FrieslandCampina N.V. (Netherlands), Syngenta Crop Protection AG (Switzerland), Lycored Corp. (Israel), Koehler Innovative Solutions (Germany), Balchem Corporation (US), Capsul? SAS (France), TasteTech Ltd. (UK), MicroCapsules Technologies (MCT) (France), INSILICO Co. Ltd. (South Korea), Matsumoto Yushi Seiyaku Co., Ltd. (Japan), Encapsys (US), Arcade Beauty (US), Reed Pacific (Australia), Firmenich SA (Switzerland), Ronald T. Dodge Company (US), Microtek Laboratories, Inc. (US), INNOBIO (China), GAT Microencapsulation GmbH (Austria), BRACE GmbH (Germany), and Tagra Biotechnologies Ltd. (Israel). These players have adopted expansions, acquisitions, product launches, investments, partnerships, joint ventures, mergers, collaborations, agreements, and divestments as their growth strategies. Asia Pacific and South America are expected to offer growth opportunities for the microcapsule market.

#### Research Coverage:

The report defines, segments, and projects the microcapsule market based on shell material, core material, end-user industry, technology, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It strategically profiles, microcapsule market manufacturers and comprehensively analyzes their market shares and core competencies as well as tracks and analyzes competitive developments, such as expansions, acquisitions, product launches, investments, partnerships, joint ventures, mergers, collaborations, agreements, and divestments, undertaken by them in the market.

#### Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the microcapsule market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.

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TABLE 244 INSILICO CO. LTD.: BUSINESS OVERVIEW

16.1.16 MATSUMOTO YUSHI SEIYAKU CO., LTD.

FIGURE 54 MATSUMOTO YUSHI SEIYAKU CO., LTD.: COMPANY SNAPSHOT

TABLE 245 MATSUMOTO YUSHI SEIYAKU CO., LTD.: BUSINESS OVERVIEW

16.1.17 ENCAPSYS

TABLE 246 ENCAPSYS: BUSINESS OVERVIEW

16.1.18 ARCADE BEAUTY

TABLE 247 ARCADE BEAUTY: BUSINESS OVERVIEW

16.1.19 REED PACIFIC

TABLE 248 REED PACIFIC: BUSINESS OVERVIEW

16.1.20 FIRMENICH SA

TABLE 249 FIRMENICH SA: BUSINESS OVERVIEW

\*Details on Business overview, Products offered, Recent developments, Impacts of COVID-19 & MnM View might not be captured in case of unlisted companies.

16.2 ADDITIONAL PLAYERS

16.2.1 RONALD T. DODGE COMPANY

TABLE 250 RONALD T. DODGE COMPANY: BUSINESS OVERVIEW

16.2.2 MICROTEK LABORATORIES, INC.

TABLE 251 MICROTEK LABORATORIES, INC.: BUSINESS OVERVIEW

16.2.3 INNOBIO

TABLE 252 INNOBIO: BUSINESS OVERVIEW

16.2.4 GAT MICROENCAPSULATION GMBH

TABLE 253 GAT MICROENCAPSULATION GMBH: BUSINESS OVERVIEW

16.2.5 BRACE GMBH

TABLE 254 BRACE GMBH: BUSINESS OVERVIEW

16.2.6 TAGRA BIOTECHNOLOGIES LTD.

TABLE 255 TAGRA BIOTECHNOLOGIES LTD.: BUSINESS OVERVIEW

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17.1 DISCUSSION GUIDE

17.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

17.3 AVAILABLE CUSTOMIZATIONS

17.4 RELATED REPORTS

17.5 AUTHOR DETAILS



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