

Nanochemicals Market by Type (Metallic Nanochemicals, Ceramic Nanochemicals, Polymer Nanochemicals, and Others) and Application (Semiconductors & Electronics, Pharmaceuticals, Food & Agriculture, Energy, Textiles, and Others): Global Opportunity Analysis and Industry Forecast, 2021–2028

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# **Abstracts**

The global nanochemicals market was valued at \$5.4 billion in 2020, and is anticipated to generate \$8.3 billion by 2028. The market is projected to experience growth at a CAGR of 4.3% from 2021 to 2028.

Nanochemicals are generated using nanotechnology on a traditional building block of chemicals which include propane, ethane, and butane. It exhibits various useful properties such as anti-corrosion, self-catalysis, and self-cleaning. The size of these nanochemicals normally ranges from 1-100 nm. Due to their small size, the reactions involving nanochemicals take very less time to complete as compared to the traditional reaction mechanisms. Because of their above said unique and useful qualities, it remains a major area for investors to pursue because of their enormous potential. Nanochemicals find their uses in the pharmaceutical industry, food industry, textile industry, and energy sectors. Nanochemicals can also be used as epoxy containing carbon nanotubes which are used to manufacture the blades of the windmill which in turn are long, strong and has a lighter weight and will be more effective in generating enormous amount of electricity. It also finds its use in dental filling sectors.

However, because of its small size and fast reaction mechanisms, it can be very hazardous to human body and the environment. This might hinder the growth of the



market in the upcoming times.

The nanochemicals market is segmented on the basis of type, application, and region. By type, the market is divided into metallic nano chemicals, ceramic nano chemicals, polymer nano chemicals, and other. By application, the market is classified into semiconductors & electronics, pharmaceuticals, food & agriculture, energy, textiles, and others. Region-wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA (Latin America, Middle East, and Africa).

The key players operating in the market are BASF SE, DuPont, Evonik Industries AG, Huntsman Corporation, Merck KGaA, Mitsubishi Chemical Holding, SABIC, Solvay S.A., Sumitomo Corporation, and Thermo Fischer Scientific. The players in the market have adopted several strategies, such as type launch and business expansion, to sustain the market competition.

## KEY BENEFITS FOR STAKEHOLDERS

The report provides extensive qualitative and quantitative analysis of the current trends and future estimations of the nanochemicals market from 2020 to 2027 to determine the prevailing opportunities.

Comprehensive analysis of factors that drive and restrict the market growth is provided.

The nanochemicals market forecast and estimations are based on factors impacting the market growth, in terms of value.

Profiles of leading players operating in the market are provided to understand the global competitive scenario.

The report provides extensive qualitative insights on the significant segments and regions exhibiting favorable nanochemicals market share.

The nanochemicals market size is provided in terms of revenue.

The report provides an in-depth analysis of the forecast along with the current and future nanochemicals market trends.



#### **KEY MARKET SEGMENTS**

Ву Туре

Metallic Nanochemicals

Ceramic Nanochemicals

**Polymer Nanochemicals** 

Other

By Application

Semiconductors & Electronics

Pharmaceuticals

Food & Agriculture

Energy

Textiles

Others

By Region

North America

U.S.

Canada

Mexico

Nanochemicals Market by Type (Metallic Nanochemicals, Ceramic Nanochemicals, Polymer Nanochemicals, and Others...



Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

**Rest of Asia-Pacific** 

LAMEA

Brazil

South Africa

Saudi Arabia

**Rest of LAMEA** 



**Key Players** 

BASF SE

DuPont

Evonik Industries AG

Huntsman Corporation

Merck KGaA

Mitsubishi Chemical Holding

SABIC

Solvay S.A.,

Sumitomo Corporation

Thermo Fischer Scientific



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FIGURE 56.MERCK: REVENUE SHARE BY REGION, 2020 (%) FIGURE 57.MITSUBISHI: REVENUE, 2018–2020 (\$MILLION) FIGURE 58.MITSUBISHI: REVENUE SHARE BY SEGMENT, 2020 (%) FIGURE 59.MITSUBISHI: REVENUE SHARE BY REGION, 2020 (%) FIGURE 60.SABIC: NET SALES, 2018–2020 (\$MILLION) FIGURE 61.SABIC: REVENUE SHARE BY SEGMENT, 2020 (%) FIGURE 62.SABIC: REVENUE SHARE BY REGION, 2020 (%) FIGURE 63.SOLVAY S.A.: NET SALES, 2018–2020 (\$MILLION) FIGURE 64.SOLVAY S.A.: REVENUE SHARE, BY SEGMENT, 2020 FIGURE 65.SUMITOMO CORPORATION: NET SALES, 2018–2020 (\$MILLION) FIGURE 66.SUMITOMO CORPORATION: REVENUE SHARE, BY SEGMENT, 2020 (%)

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