

# Global Dimethylformamide (DMF) Market Outlook to 2027

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## Abstracts

Dimethylformamide (DMF), an organic compound with the chemical formula of  $(\text{CH}_3)_2\text{NC}(\text{O})\text{H}$ , is a colorless and odorless liquid that is miscible in water and the majority of organic liquids. According to BlueQuark Research & Consulting, the global Dimethylformamide market is expected to witness a significant growth rate during the forecast period. Factors such as the growing demand for Dimethylformamide (DMF) in manufacturing adhesives, coatings, plastics, artificial leather, shoe soles, acrylic fibers, solvent, medicines are driving the Global Dimethylformamide market in the forecasted period. Further, the surging demand for Dimethylformamide (DMF) in various end-user industries such as Chemicals, Pharmaceutical, Plastic industries is anticipated to enhance the demand for Dimethylformamide (DMF) in the forecasted period. Furthermore, Dimethylformamide penetrates most plastics and swells them, due to this property, DMF is appropriate for solid-phase peptide synthesis and as a vital component of paint strippers. Therefore, Paint Industry is set to drive the demand for Dimethylformamide (DMF) in the forecasted periods. Also, Dimethylformamide (DMF) is utilized as one of the ingredients to produce insecticides and pesticides, making the Agriculture Industry an important consumer of Dimethylformamide (DMF). However, overproduction of Dimethylformamide (DMF) over the past few years has disrupted the demand-supply chain and has led to a decrease in DMF prices. This can restrain the Global Dimethylformamide DMF Market.

Dimethylformamide (DMF) manufactures solvents, acrylic fibers, pharmaceuticals, agrochemicals, insecticides, adhesives, synthetic leathers, fibers, films, surface coatings, plastics, aldehyde formation, acyl halides synthesis, paint strippers, olefins recovering, electrospinning, and Metal-Organics frameworks synthesis.

The Chemical Industry is the primary consumer of Dimethylformamide (DMF) globally

and is expected to drive the market. Dimethylformamide (DMF) is primarily utilized as a solvent with a low evaporation rate in the industry. It is the beneficial information of various aldehydes, and it functions as a reagent in Bouveault aldehyde synthesis and Vilsmeier-Haack reaction. It is also an ordinary catalyst used to form acyl halides, particularly acyl chlorides from carboxylic acids. DMF has been used as a solvent in olefin recovering processes via extractive distillation. Since it is a cheap and common reagent, Dimethylformamide (DMF) has wide use in Research & Development. It is very effective in suspending and separating carbon nanotubes. National Institute of Standards and Technology United States approved using Dimethylformamide (DMF) in near-infrared spectroscopy. DMF is worn as a source of carbon monoxide ligands and in synthesizing organometallic compounds. Dimethylformamide (DMF) is a commonly used solvent in synthetic leathers, polyurethane coatings, and artificial leather fabrics due to it being highly soluble in nature, has low volatility and has a low evaporation rate. Dimethylformamide is also worn as a solvent for many purposes, such as residue in synthetic leather, processing solvents, plastic, rubber, adhesives, and printing inks. DMF has extraordinary solvency parameters to be used as a reaction and crystallization solvent for pharmaceutical purposes, and DMF is also for purification purposes in the pharmaceutical industry. Due to such extensive utilization of Dimethylformamide (DMF) in the Industry, Chemical is one of the major industries propelling the Dimethylformamide Market. DMF is a common solvent worn in the electrospinning process to make fibers; therefore, DMF is a vital raw material to manufacture acrylic fibers and plastics. Even after the numerous efforts from environmentalists, the global need for plastic is gradually improving, and dependency on it can not be erased on such a mass level. This surging demand for plastics and acrylic fibers is also a driving factor for the Global Dimethylformamide Market.

The Asia-Pacific region is anticipated to be the largest consumer of Dimethylformamide (DMF) in the forecasted period. The growth is assigned to the growing consumption of various end-use industries, such as Pharmaceutical, Agriculture, Plastic, and Chemicals. The increasing population and need for plastics in the Asia Pacific region have made the plastic industry one of the most developing industries in the area. Keeping its status as the world's workshop, China is the largest consumer of Dimethylformamide (DMF) with a highly competitive market in the Asia Pacific region. The high need can be credited to the increasing demand for acrylic fibers and polyurethane-based products, one of the practical uses of Dimethylformamide (DMF). COVID-19 has affected the Dimethylformamide (DMF) market like any other in the area. India and China are out of the worst-hit countries by the Covid-19 pandemic and among the largest consumers of DMF, as a consequence restraining the Asia Pacific Dimethylformamide (DMF) market in the region. But on the other hand, the region's

huge population has increased the demand for medicines drastically after the epidemic. Dimethylformamide is used to crystallize the drugs. Therefore, the pharmaceutical industry has been a fueling factor for the DMF market, even in pandemic situations. The Asia Pacific region has countries such as India and Vietnam, where most of the population depends on agriculture. Therefore, the need for agrochemical products has been rising for a long thus driving the Asia Pacific Dimethylformamide (DMF) Market.

The global Dimethylformamide market was found to be segmented. Major vital players were Arkema Group, Imperial Chemical Corporations, INEOS AG, Henkel AG & Co., Asahi Corporations, BASF, and Eastman Chemical.

In August 2021, the mean price of Chinese domestic Dimethylformamide (DMF) companies' premium was 15,400.00 RMB/ton. Dimethylformamide (DMF) prices continued to move at a high level as the manufacturers suddenly increased the prices. Dimethylformamide (DMF) prices increased by 23.69% over the last month in China.

In March 2020, Huntsman International LLC unveiled their Spray Polyurethane Foam business to increase their portfolio of products. They also acquired SPF company Demilic in 2018.

Global Dimethylformamide (DMF) Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Dimethylformamide (DMF) market by segmenting based on Type (Feedstock, Reactant, Catalyst), Application (Solvent, Plastics, Adhesives, Coating, Medicine Crystallization, Insecticides, and pesticides), End-User (Chemical, Plastics, Electronics, Pharmaceutical, Agriculture, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers emerging market trends, market share, market analysis, developments, opportunities, and challenges in the industry. The report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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ema Group

erial Chemical Corporations

OS AG

kel AG & Co.

hi Corporations

F

tman Chemical

manol

I Chemical

e Chemours

subishi Gas Chemical

hejiang Jiangshan Chemical

tian Chemical

-KIM

erck

*Companies is not exhaustive*

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