

# **Chloromethane Market - Global Industry Size, Share, Trends, Opportunity & Forecast, Segmented By Manufacturing Process (Methanol Route, Methane Route), By Product Type (Methylene Chloride, Chloroform, Carbon Tetrachloride, Methyl Chloride), By Application (Pharmaceutical, Medical, metal Cleaning, Refrigerants, Foam Blowing, Chemical Intermediaries), By Region & Competition, 2020-2030F**

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## **Abstracts**

### **Market Overview**

Global Chloromethane market was valued at USD 4.51 Billion in 2024 and is expected to reach USD 5.49 Billion by 2030 with a CAGR of 3.32%. The Global Chloromethane Market is witnessing consistent growth, fueled by rising demand from a broad spectrum of end-use industries such as pharmaceuticals, refrigerants, agrochemicals, and silicone manufacturing. Chloromethane commonly referred to as methyl chloride functions as a highly adaptable chemical intermediate and solvent, integral to the formulation of various industrial and consumer-grade products.

The market is strategically positioned for long-term expansion, supported by accelerating industrial activity, diversification of downstream applications, and strong manufacturing capabilities across key regions. However, the industry is increasingly being shaped by the need to comply with stringent environmental regulations and a growing global shift toward sustainable and eco-friendly chemical processes. These factors are expected to influence future investment strategies, production technologies, and product innovation across the chloromethane value chain.

## Key Market Drivers

### Growing Demand of Chloromethane in Pharmaceutical Industry

The growing demand for chloromethane in the pharmaceutical industry is a pivotal force propelling the growth of the Global Chloromethane Market. As chloromethane-based compounds especially methylene chloride and methyl chloride continue to play a critical role in pharmaceutical synthesis, formulation, and processing, their increasing consumption is directly linked to the upward trajectory of the global market.

Chloromethanes serve as key reaction solvents and intermediates in the production of a wide range of active pharmaceutical ingredients (APIs). Methylene chloride, for instance, is widely used for its excellent solvating ability, enabling efficient extraction, purification, and crystallization processes during drug synthesis. These applications are fundamental in manufacturing high-value drugs across therapeutic areas such as antibiotics, antivirals, cardiovascular medications, and oncology treatments.

The U.S. Food and Drug Administration (FDA) released data highlighting the United States' significant dependence on foreign sources for active pharmaceutical ingredients (APIs). According to the analysis, approximately 72% of API manufacturing facilities that supply the U.S. pharmaceutical market were located outside the country, with China accounting for 13% of these foreign-based facilities. The ongoing expansion of pharmaceutical manufacturing particularly in India, China, and Southeast Asia has significantly boosted the demand for chloromethane. These regions are global hubs for generic drug production, supplying cost-effective medications to both developed and developing markets. Chloromethane derivatives are essential in large-scale batch processes that require high-yield, scalable, and compliant chemical intermediates, positioning them as indispensable in pharma supply chains. The global increase in chronic health conditions such as diabetes, cancer, and cardiovascular diseases has escalated the demand for prescription drugs, thereby creating a ripple effect in upstream chemical markets. Since chloromethane is heavily utilized in the production of key APIs and drug intermediates, its consumption is accelerating in tandem with pharmaceutical output. Chronic diseases represent a critical global health challenge, impacting a substantial share of the world's population and driving a significant burden in terms of both mortality and long-term care. As of 2019, chronic conditions accounted for 74% of total deaths globally, reflecting their dominant role in shaping healthcare priorities. Moreover, one in every three adults worldwide is affected by multiple chronic illnesses, underscoring the growing demand for sustained medical intervention, pharmaceutical innovation, and healthcare infrastructure capable of managing complex,

long-term health needs.

## **Key Market Challenges**

### Fluctuations in Prices of Raw Materials

Chloromethane is an odorless, flammable gas with a faintly sweet scent. Its primary production involves the reaction of methanol with hydrogen chloride in the presence of a catalyst. Methanol, a crucial feedstock for chloromethane production, is susceptible to price volatility due to various factors. Fluctuations in methanol prices can be attributed to changes in crude oil prices (as methanol is derived from natural gas and oil), geopolitical tensions affecting supply routes, and shifts in demand for other products that also employ methanol as a raw material. For instance, a sudden surge in demand for biofuels, often utilizing methanol as a feedstock, can lead to higher methanol prices. Similarly, disruptions in the supply chain, such as production outages or transportation bottlenecks, can drive methanol prices up. These price fluctuations directly impact the cost structure of chloromethane production. Hydrogen chloride is another critical raw material in chloromethane production. It is commonly obtained as a co-product from processes such as the manufacture of polyvinyl chloride (PVC) and other chemical reactions. However, the availability of hydrogen chloride can be influenced by market demand for these co-products. A decrease in demand for PVC or other hydrogen chloride-derived products can result in reduced availability and potentially higher prices for hydrogen chloride. Furthermore, factors like regulatory changes and environmental concerns regarding the emissions of hydrogen chloride during manufacturing processes can affect its availability and pricing. These factors underline the complexity of the raw material supply chain in the chloromethane market.

## **Key Market Trends**

### Rapid technological advancements

Rapid technological advancements are offering numerous opportunities for the market. These advancements focus on improving production processes, enhancing product quality, and increasing efficiency in chloromethane manufacturing. Technological innovations have led to the development of advanced catalysts and process optimization techniques, resulting in higher yields and improved productivity in chloromethane production. These advancements have increased the supply of chloromethane and reduced production costs, making it more economically viable for various industries. Moreover, advancements in purification and distillation technologies

have enhanced the quality of chloromethane, meeting stringent industry and regulatory standards. This has further expanded the application areas of chloromethane, attracting a wider customer base. Furthermore, technological advancements in packaging and storage solutions have improved the safety and transportation of chloromethane, ensuring its availability and accessibility to end-users across different regions.

### **Key Market Players**

Akzonobel N.V.

Shin-Etsu Chemical Co.

Gujarat Alkalies and Chemical Limited

Ineos Group Ltd.

Kem One SASU

Solvay SA

Occidental Petroleum Corporation

Gujarat Fluorochemicals Ltd.

SRF Limited

Tokuyama Corporation

### **Report Scope:**

In this report, the Global Chloromethane Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Chloromethane Market, By Manufacturing Process:

Methanol Route

Methane Route

### Chloromethane Market, By Product Type:

Methylene Chloride

Chloroform

Carbon Tetrachloride

Methyl Chloride

### Chloromethane Market, By Application:

Pharmaceutical

Medical

Metal Cleaning

Refrigerants

Foam Blowing

Chemical Intermediaries

### Chloromethane Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Chloromethane Market.

**Available Customizations:**

Global Chloromethane Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional market players (up to five).

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