

Global Chlorine Trifluoride Market Size study, by Application (Semiconductor, Nuclear Fuel Processing, Rocket Propellant System and Others), and Regional Forecasts 2021-2027

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Abstracts

Global Chlorine Trifluoride Market is valued approximately at USD 45.48 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 4.2% over the forecast period 2021-2027. Chlorine Trifluoride is a colorless, corrosive and susceptible gas which is made up of chlorine and fluorine atoms. It is stored in Aluminum, Copper, steel etc. and used in the semiconductor industry, rocket propellant, Nuclear reactor fuels. Increasing demand in the semiconductor industry, Nuclear industry to use as fluorinating agent, rising consumption for chemical in aerospace industry, growing electronic industry. In the semiconductor industry, there is a high demand for the chemical because of its application in cleaning chemical vapor deposition chamber. According to a study by the Associated Chambers of Commerce of India (ASSOCHAM) and EY, with spike in demand for electronic products, the electronics system design & manufacturing (ESDM) sector in India is predicted to reach ~US\$ 220 billion by 2025, expanding at a 16.1% CAGR between 2019 and 2025. The ESDM was valued at US\$ 90 billion in FY19. As per the State of the US SIA (United States Semiconductor Industry Association) USA investments in semiconductor specific research across federal scientific agencies from approximately \$1.5 billion to \$5 billion annually to advance new materials, designs, and architectures. However, Requirement of skilled labor impedes the growth of the market over the forecast period of 2020-2027. Also, with the exponential increase in population, the adoption & demand for Chlorine Trifluoride is likely to increase the market growth during the forecast period.

The regional analysis of global Chlorine Trifluoride market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the

World. North America is the significant region across the world in terms of market share owing to as major semiconductor companies are established. USA is the largest consumer of electronic chemicals and the majority of semiconductors are exported to the European and Asian market. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Major Factors promoting the market are increasing aerospace industry and automated industrial manufacturing solutions, growing electronic equipment industry have led to high penetration of electronic gadgets and components on a global scale, which requires various chemicals for constant maintenance and cleaning purposes would create lucrative growth prospects for the Chlorine Trifluoride market across Asia-Pacific region.

Major market player included in this report are:

Central Glass

Air Products and chemicals

Air Liquide

Advance Research Chemicals

Linde PLC

Versum Materials

Advance Research Chemicals

Matheson Tri-Gas Inc.

Taio Nippon Sainso Corporation

Kanto Denka Kogyo Co. Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Semiconductor

Nuclear Fuel Processing

Rocket Propellant System

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Nanorobotics Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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