

Global Fluorosilicic Acid Market Size Study & Forecast, by Grade (35%, 40%, 25%, Others), By Application (Water Fluoridation, Textile Processing, Metal Surface Treatment, Hide Processing, Oil Well Acidizing, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Fluorosilicic Acid Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Fluorosilicic acid, also known as hydrofluorosilicic acid or hexafluorosilicic acid, is an inorganic compound with the chemical formula H_2SiF_6 . It is derived from the reaction of silicon tetrafluoride (SiF_4) with water. Fluorosilicic acid is a colorless, odorless liquid that is highly soluble in water. The primary application of fluorosilicic acid is in water fluoridation. It is commonly used to fluoridate community water supplies, which helps prevent tooth decay by promoting dental health. By adding controlled amounts of fluoride ions to the water, fluorosilicic acid aids in strengthening tooth enamel and reducing the risk of cavities. This practice has been widely adopted as a public health measure in many countries around the world. Moreover, the growing demand from the water treatment industry, and increasing focus on dental health are anticipated to create a lucrative demand for the market during the forecast period 2023-2030.

Additionally, the growing demand for wastewater treatment globally serves as a significant driver for the growth of the global fluorosilicic acid market. Fluorosilicic acid is commonly used in water treatment facilities for fluoridating water. As the demand for wastewater treatment increases due to urbanization, industrialization, and environmental concerns, the need for fluorosilicic acid to optimize water quality also rises. Water treatment plants utilize fluorosilicic acid to adjust fluoride levels in treated wastewater before discharge. For instance, in June 2022, Daiki Axis Japan, a producer

of water treatment solutions, would invest Rs 200 crore (USD 23.97 million) in the construction of its second facility in India in Haryana. Additionally, the company stated that the facility can generate 1,000 sewage treatment units using Japanese "Johkasou" technology. Also, in March 2023, A wastewater treatment facility will be built in Skopje due to a 70 million (USD 75.10 million) EU investment grant that EIB Global has agreed with the government of the Republic of North Macedonia. It is the largest EU investment provided to the nation. As a result, growing demand for wastewater treatment is anticipated to support the market growth. Moreover, the growing research and development activities in Fluorosilicic Acid and rapid urbanization and infrastructure development are anticipated to create a lucrative opportunity for the market. However, the availability of alternatives, and fluctuating raw material prices stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Fluorosilicic Acid Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the continued implementation and expansion of water fluoridation programs, presence of key market players, and stringent regulations and standards regarding water quality and dental health drive the demand for fluorosilicic acid in the region. Furthermore, the Asia Pacific is expected to grow at the fastest growth rate during the forecast period, owing to factors such as the growing infrastructure development projects, particularly in the construction sector, growing awareness about the importance of dental health and preventive measures against tooth decay, and ongoing research and development to improving the efficiency and safety of fluorosilicic acid usage contribute to market growth.

Major market players included in this report are:

Honeywell International Inc.

Univar Solutions Inc.

Merck KGaA

VWR International, LLC

Solvay SA

Thermo Fisher Scientific Inc

Napco Chemical Company

Hydrite Chemical

Gelest Inc.

American Elements

Recent Developments in the Market:

In January 2022, Archroma, a leading player in specialty chemicals on the global stage, has unveiled a cutting-edge eco-friendly innovation for fabric washing. Partnering with Jeanologia, Archroma has introduced a pioneering approach that harmonizes aniline-free and chemical-free methods, aptly named "G2 Dynamic." This innovative solution promises to revolutionize the fabric washing process with its eco-advanced principles.

Global Fluorosilicic Acid Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Grade, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Grade:

35%

40%

25%

Others

By Application:

Water Fluoridation

Textile Processing

Metal Surface Treatment

Hide Processing

Oil Well Acidizing

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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