

Global High-Purity Hydrogen Fluoride for Semiconductors Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global High-Purity Hydrogen Fluoride for Semiconductors market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

According to the SEMI report, the semiconductor materials market will grow by 8.6% in 2022, hitting a new high of US\$69.8 billion in market size. Since semiconductor materials are an industry with high technical barriers, most high-end products of semiconductor materials are currently concentrated in the United States, Japan, Germany and other countries and regions. From a demand perspective, Taiwan, China, South Korea, Japan, and the United States are the world's largest semiconductor material markets, accounting for more than 80% of the global market. With the shift of the semiconductor industry, the global semiconductor materials industry has also experienced a shift of center of gravity from west to east. China's semiconductor materials market is the fastest growing region in the world. In 2022, the United States will introduce new regulations to sanction China's advanced semiconductor process industry. This will have a certain impact on all aspects of China's integrated circuit manufacturing industry in the short term. However, in the long term, China's integrated circuit industry will inevitably will embark on the road of independent innovation. According to research statistics from the company's 'Semiconductor Research Center', the global semiconductor materials market will be approximately US\$70 billion in 2022, the highest value in the history of semiconductor materials. At present, the production and technology of semiconductor materials are mainly controlled by the United States, Japan and a few European manufacturers. China's domestic manufacturers are relatively weak overall and have made breakthroughs in individual links. However, in terms of technology, product quality and application, they are still behind the world's



leading manufacturers. There is a big gap. Currently, Taiwan, China and South Korea are the three largest markets, accounting for approximately 60% of the market share. The United States, Europe, Japan and Southeast Asia are also important markets, with these four regions accounting for approximately 35% of the market share.

HF used in the semiconductor industry often requires extremely high purity requirements. High-purity HF can reduce the risk of contamination of semiconductor materials by impurities and ensure the manufacture of high-quality chip products. HF is a colorless, pungent-smelling chemical substance that is highly corrosive. In the semiconductor manufacturing process, HF is widely used in multiple process steps, including wafer cleaning, surface treatment and etching.

This report studies the global High-Purity Hydrogen Fluoride for Semiconductors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-Purity Hydrogen Fluoride for Semiconductors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High-Purity Hydrogen Fluoride for Semiconductors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High-Purity Hydrogen Fluoride for Semiconductors total production and demand, 2018-2029, (Tons)

Global High-Purity Hydrogen Fluoride for Semiconductors total production value, 2018-2029, (USD Million)

Global High-Purity Hydrogen Fluoride for Semiconductors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High-Purity Hydrogen Fluoride for Semiconductors consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: High-Purity Hydrogen Fluoride for Semiconductors domestic production, consumption, key domestic manufacturers and share



Global High-Purity Hydrogen Fluoride for Semiconductors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global High-Purity Hydrogen Fluoride for Semiconductors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High-Purity Hydrogen Fluoride for Semiconductors production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global High-Purity Hydrogen Fluoride for Semiconductors market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Stella Chemifa Corp, FDAC, Honeywell, Showa Denko, SK Materials, Solvay (Zhejiang Lansol), Morita, Sunlit Chemical and Zhejiang Kaiheng Electronic Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High-Purity Hydrogen Fluoride for Semiconductors market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High-Purity Hydrogen Fluoride for Semiconductors Market, By Region:

United States China Europe

Japan



South Korea

ASEAN

India

Rest of World

Global High-Purity Hydrogen Fluoride for Semiconductors Market, Segmentation by Type

5N 6N 7N Others

Global High-Purity Hydrogen Fluoride for Semiconductors Market, Segmentation by Application

Semiconductor

Flat Panel Display

Solar Energy

Companies Profiled:

Stella Chemifa Corp

FDAC

Honeywell

Global High-Purity Hydrogen Fluoride for Semiconductors Supply, Demand and Key Producers, 2023-2029



Showa Denko

SK Materials

Solvay (Zhejiang Lansol)

Morita

Sunlit Chemical

Zhejiang Kaiheng Electronic Materials

Do-Fluoride Chemicals

Suzhou Crystal Clear Chemical

Jiangyin Jianghua Microelectronics Materials

Shaowu Fluoride

Shaowu Huaxin

Sanmei

Befar Group

Soulbrain

Key Questions Answered

1. How big is the global High-Purity Hydrogen Fluoride for Semiconductors market?

2. What is the demand of the global High-Purity Hydrogen Fluoride for Semiconductors market?

3. What is the year over year growth of the global High-Purity Hydrogen Fluoride for Semiconductors market?

Global High-Purity Hydrogen Fluoride for Semiconductors Supply, Demand and Key Producers, 2023-2029



4. What is the production and production value of the global High-Purity Hydrogen Fluoride for Semiconductors market?

5. Who are the key producers in the global High-Purity Hydrogen Fluoride for Semiconductors market?



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