

# Global Semiconductor Etchants Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Etchants market size was valued at USD 1737.9 million in 2023 and is forecast to a readjusted size of USD 2719.1 million by 2030 with a CAGR of 6.6% during review period.

Semiconductor Etchant is an electronic chemical used in etching in semiconductor manufacturing.

In the electronics industry, the etching solution chemicals are varied depending on the material to be etched. For example, to perform etching of silicon (Si), a mixture of Dry Etching Agent (electronic grade) and nitric acid (electronic grade) is used. Other compounds are also added in the mixture to control the etch rate, the etch selectivity (ratio of etch rate of different materials), and the etch anisotropy (ratio of etch rate in the direction perpendicular to the surface to the etch rate in the direction parallel to the surface). The optimal etchant composition depends on the substrate and resist materials as well as the etching method.

Global Semiconductor Etchants key players include BASF, Stella Chemifa, Soulbrain, KMG Chemicals, Formosa Daikin Advanced Chemicals, etc. Global top 5 manufacturers hold a share over 28%.

Asia-Pacific is the largest market, with a share about 63%, followed by Europe, and North America, both have a share about 32 percent.

In terms of product, Wet Etching Agent is the largest segment, with a share over 82%. And in terms of application, the largest application is Integrated Circuit, followed by

Solar Energy, Monitor Panel,Others.

The Global Info Research report includes an overview of the development of the Semiconductor Etchants industry chain, the market status of Integrated Circuit (Wet Etching Agent, Dry Etching Agent), Solar Energy (Wet Etching Agent, Dry Etching Agent), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Semiconductor Etchants.

Regionally, the report analyzes the Semiconductor Etchants markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Semiconductor Etchants market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Semiconductor Etchants market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Semiconductor Etchants industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Wet Etching Agent, Dry Etching Agent).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Semiconductor Etchants market.

**Regional Analysis:** The report involves examining the Semiconductor Etchants market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future

projections and forecasts for the Semiconductor Etchants market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Semiconductor Etchants:

**Company Analysis:** Report covers individual Semiconductor Etchants manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Semiconductor Etchants. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Integrated Circuit, Solar Energy).

**Technology Analysis:** Report covers specific technologies relevant to Semiconductor Etchants. It assesses the current state, advancements, and potential future developments in Semiconductor Etchants areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Semiconductor Etchants market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Semiconductor Etchants market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Wet Etching Agent

Dry Etching Agent

## Market segment by Application

Integrated Circuit

Solar Energy

Monitor Panel

Others

## Major players covered

BASF

Stella Chemifa

Soulbrain

KMG Chemicals

Formosa Daikin Advanced Chemicals

Avantor

Zhejiang Morita New Materials

Honeywell

Mitsubishi Chemical

Do-Fluoride Chemicals Co., Ltd

Zhejiang Kaisn Fluorochemical

Jiangyin Runma

Jiangyin Jianghua Microelectronics Materials

Fujian Shaowu Yongfei Chemical

Nagase ChemteX Corporation

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Semiconductor Etchants product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Etchants, with price, sales, revenue and global market share of Semiconductor Etchants from 2019 to 2024.

Chapter 3, the Semiconductor Etchants competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Etchants breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Semiconductor Etchants market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Semiconductor Etchants.

Chapter 14 and 15, to describe Semiconductor Etchants sales channel, distributors, customers, research findings and conclusion.

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