

Global Fluorine-Containing Semiconductor Cleaning and Etching Gas Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G91BCA5BB417EN.html>

Date: June 2026

Pages: 106

Price: US\$ 3,480.00 (Single User License)

ID: G91BCA5BB417EN

Abstracts

According to our (Global Info Research) latest study, the global Fluorine-Containing Semiconductor Cleaning and Etching Gas market size was valued at US\$ 1507 million in 2025 and is forecast to a readjusted size of US\$ 2520 million by 2032 with a CAGR of 7.7% during review period.

Cleaning and etching gases play a vital role in the semiconductor manufacturing process. These gases are used to form precise patterns and structures, which directly affect the performance and yield of the device.

This report is a detailed and comprehensive analysis for global Fluorine-Containing Semiconductor Cleaning and Etching Gas market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Fluorine-Containing Semiconductor Cleaning and Etching Gas market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Fluorine-Containing Semiconductor Cleaning and Etching Gas market size and

forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Fluorine-Containing Semiconductor Cleaning and Etching Gas market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Fluorine-Containing Semiconductor Cleaning and Etching Gas market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Fluorine-Containing Semiconductor Cleaning and Etching Gas

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Fluorine-Containing Semiconductor Cleaning and Etching Gas market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SK Materials, Kanto Denka Kogyo, Resonac, Linde Group, Peric, Hyosung, Taiyo Nippon Sanso, Merck KGaA, Mitsui Chemical, Central Glass, etc.

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

Market Segmentation

Fluorine-Containing Semiconductor Cleaning and Etching Gas market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by

targeting qualified niche markets.

Market segment by Type

NF3

CF4

SF6

Others

Market segment by Application

Semiconductor Cleaning

Semiconductor Etching

Major players covered

SK Materials

Kanto Denka Kogyo

Resonac

Linde Group

Peric

Hyosung

Taiyo Nippon Sanso

Merck KGaA

Mitsui Chemical

Central Glass

Haohua Chemical Science & Technology

Shandong FeiYuan

Messer Group

Air Liquide

Huate Gas

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 Fluorine-Containing Semiconductor Cleaning and Etching Gas product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Fluorine-Containing Semiconductor Cleaning and Etching Gas, with price, sales quantity, revenue, and global market share of Fluorine-Containing Semiconductor Cleaning and Etching Gas from 2021 to 2026.

Chapter 3, the Fluorine-Containing Semiconductor Cleaning and Etching Gas

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

Chapter 4, the Fluorine-Containing Semiconductor Cleaning and Etching Gas breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Fluorine-Containing Semiconductor Cleaning and Etching Gas market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Fluorine-Containing Semiconductor Cleaning and Etching Gas.

Chapter 14 and 15, to describe Fluorine-Containing Semiconductor Cleaning and Etching Gas sales channel, distributors, customers, research findings and conclusion.

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