

Global Fluoride Etching Agent Market Growth 2026-2032

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Abstracts

The global Fluoride Etching Agent market size is predicted to grow from US\$ 695 million in 2025 to US\$ 1040 million in 2032; it is expected to grow at a CAGR of 6.0% from 2026 to 2032.

This article mainly counts the fluorine-containing etchants used in the electronics industry, and its downstream mainly includes semiconductors, LCDs, and solar photovoltaics. Fluorine-containing etching gases mainly include: CF₄, CHF₃, CH₂F₂, CH₃F, C₂F₆, C₄F₆, C₅F₈, etc. In the semiconductor field, it is mainly used for dry etching processes. Among them, carbon tetrafluoride (CF₄) is a fluorine-containing etchant with a relatively large amount in the electronics industry, mainly used in semiconductor integrated circuit etching and solar single crystal/polycrystalline silicon production processes. Globally, the market for fluorine-containing electronic special gases exceeds US\$3.3 billion, of which CF₄, C₂F₆, C₃F₈, C₄F₈ and C₄F₆ account for nearly 20%. The core companies mainly include Nippon Sanso, Kanto Denka Kogyo, Linde, SK Specialty, Foosung, Air Liquide, Merck, Resonac, DAIKIN, Zeon Corporation and Air Products. The share of the top 5 companies exceeds 65%, and electronic-grade fluorine-containing etchants are still mainly concentrated in the hands of international companies.

United States market for Fluoride Etching Agent is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Fluoride Etching Agent is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Fluoride Etching Agent is estimated to increase from US\$ million in

2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Fluoride Etching Agent players cover Nippon Sanso Holdings Corporation, Kanto Denka Kogyo Co., Ltd., Linde, SK Specialty, Foosung, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Fluoride Etching Agent Industry Forecast" looks at past sales and reviews total world Fluoride Etching Agent sales in 2025, providing a comprehensive analysis by region and market sector of projected Fluoride Etching Agent sales for 2026 through 2032. With Fluoride Etching Agent sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Fluoride Etching Agent industry.

This Insight Report provides a comprehensive analysis of the global Fluoride Etching Agent landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fluoride Etching Agent portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Fluoride Etching Agent market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Fluoride Etching Agent and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fluoride Etching Agent.

This report presents a comprehensive overview, market shares, and growth opportunities of Fluoride Etching Agent market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

C5F8

C4F6

CF4

CHF3

CH2F2

CH3F

C2F6

Others

Segmentation by Application:

Semiconductor

LCD

Solar Cell

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Nippon Sanso Holdings Corporation

Kanto Denka Kogyo Co., Ltd.

Linde

SK Specialty

Foosung

Air Liquide

Merck

Resonac

DAIKIN

Zeon Corporation

Air Products

Chengdu KMT Gas

Haohua Chemical Science and Technology

TEMC

Grandit Co., Ltd

Solvay

Ling Gas

Peric Special Gases

Ingentec Corporation

Yuji Tech

Jing He Science

Jinhong Gas Co., Ltd

Fujian Deer Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Fluoride Etching Agent market?

What factors are driving Fluoride Etching Agent market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Fluoride Etching Agent market opportunities vary by end market size?

How does Fluoride Etching Agent break out by Type, by Application?

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