

# Global Nitrogen Trifluoride Gas Supply, Demand and Key Producers, 2024-2030

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## Abstracts

The global Nitrogen Trifluoride Gas market size is expected to reach \$ 214.2 million by 2030, rising at a market growth of 4.6% CAGR during the forecast period (2024-2030).

According to our Semiconductor Research Center, in 2022, the global semiconductor materials was valued at US\$ 70.3 billion. The semiconductor materials are mainly dominated by companies from US, Japan and few European countries. China Taiwan, China mainland, South Korea the key three market, hold a combined share over 60 percent. United States, Japan, Europe and Southeast Asia are also key market, have a combined about 35 percent. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

Nitrogen trifluoride gas is an inorganic compound with the chemical formula  $\text{NF}_3$ . It is insoluble in water and is a strong oxidant. It is an excellent plasma etching gas in the microelectronics industry and can also be used as a high-energy fuel.

This report studies the global Nitrogen Trifluoride Gas production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nitrogen Trifluoride Gas, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Nitrogen Trifluoride Gas that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Nitrogen Trifluoride Gas total production and demand, 2019-2030, (Tons)

Global Nitrogen Trifluoride Gas total production value, 2019-2030, (USD Million)

Global Nitrogen Trifluoride Gas production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Nitrogen Trifluoride Gas consumption by region & country, CAGR, 2019-2030 & (Tons)

U.S. VS China: Nitrogen Trifluoride Gas domestic production, consumption, key domestic manufacturers and share

Global Nitrogen Trifluoride Gas production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (Tons)

Global Nitrogen Trifluoride Gas production by Type, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Nitrogen Trifluoride Gas production by Application production, value, CAGR, 2019-2030, (USD Million) & (Tons).

This reports profiles key players in the global Nitrogen Trifluoride Gas 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 EFC Gases & Advanced Materials, Anderson Development, American Gas Products, Middlesex Gases, Mitsui Chemicals, Inc., SK Materials Co, Linde, Jinhong Gas Co., Ltd. and SIAD, 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 Nitrogen Trifluoride Gas 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 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

#### Global Nitrogen Trifluoride Gas Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Nitrogen Trifluoride Gas Market, Segmentation by Type

Purity: >99.9%

Purity: 99.9%-99.99%

Purity: <99.99%

#### Global Nitrogen Trifluoride Gas Market, Segmentation by Application

Solar Battery

Semiconductor Chip

Others

Companies Profiled:

EFC Gases & Advanced Materials

Anderson Development

American Gas Products

Middlesex Gases

Mitsui Chemicals, Inc.

SK Materials Co

Linde

Jinhong Gas Co., Ltd.

SIAD

Chengdu TAIYU Industrial Gases Co., Ltd.

Key Questions Answered

1. How big is the global Nitrogen Trifluoride Gas market?
2. What is the demand of the global Nitrogen Trifluoride Gas market?
3. What is the year over year growth of the global Nitrogen Trifluoride Gas market?
4. What is the production and production value of the global Nitrogen Trifluoride Gas market?
5. Who are the key producers in the global Nitrogen Trifluoride Gas market?

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