

Global Monosilane Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Monosilane market size is expected to reach \$ 891.7 million by 2029, rising at a market growth of 9.9% CAGR during the forecast period (2023-2029).

The global top five monosilane manufacturers include REC Silicon, SK Materials, Linde Group, Air Liquide, Mitsui Chemicals, with a total market share of about 50%, of which the largest producer is REC Silicon, with a market share of over 17% . Asia-Pacific is the most important monosilane consumer market in the world, with a market share of more than 70%. In terms of type, the market share of purity above 6N exceeds 90%. In the application field, both photovoltaics and semiconductors account for about 40% of the market.

Monosilane, also known as silane gas (SiH_4), is a colorless, flammable gas that belongs to the group of silanes. It is a highly reactive compound that is used in various industrial applications, including semiconductor manufacturing, solar cells, and fiber optics.

Monosilane is produced by the reaction of silicon with hydrogen gas in the presence of a catalyst. The resulting gas is purified by distillation to remove any impurities and stored in high-pressure cylinders for transportation and use.

This report studies the global Monosilane production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Monosilane, 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 Monosilane that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Monosilane total production and demand, 2018-2029, (MT)

Global Monosilane total production value, 2018-2029, (USD Million)

Global Monosilane production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Monosilane consumption by region & country, CAGR, 2018-2029 & (MT)

U.S. VS China: Monosilane domestic production, consumption, key domestic manufacturers and share

Global Monosilane production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MT)

Global Monosilane production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Monosilane production by Application production, value, CAGR, 2018-2029, (USD Million) & (MT).

This reports profiles key players in the global Monosilane 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 REC Silicon, SK Materials, Linde, Air Liquide, Taiyo Nippon Sanso, Mitsui Chemicals, SIAD, Jing He Science and Henan Silane Technology Development, 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 Monosilane market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/MT) 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 Monosilane Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Monosilane Market, Segmentation by Type

?6N

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