

# Global Monosilane Market Growth 2024-2030

<https://marketpublishers.com/r/GAE2F9F8A633EN.html>

Date: January 2024

Pages: 116

Price: US\$ 3,660.00 (Single User License)

ID: GAE2F9F8A633EN

## Abstracts

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According to our LPI (LP Information) latest study, the global Monosilane market size was valued at US\$ 438.5 million in 2023. With growing demand in downstream market, the Monosilane is forecast to a readjusted size of US\$ 893.6 million by 2030 with a CAGR of 10.7% during review period.

The research report highlights the growth potential of the global Monosilane market. Monosilane are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Monosilane. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Monosilane market.

Monosilane, also known as silane gas ( $\text{SiH}_4$ ), 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.

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.

#### Key Features:

The report on Monosilane market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Monosilane market. It may include historical data, market segmentation by Type (e.g., 6N,

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