

# Global Silicon Hexahydride Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

Silicon hexahydride is a toxic compound with the molecular formula  $\text{Si}_2\text{H}_6$  that is gaseous at room temperature. Its properties are very similar to those of ethane, and both are colorless and flammable gases, but its silicon-silicon bond is weaker than the carbon-carbon bond of ethane, so it is less stable than ethane. Disilanes are generally a good source of hydrogen, which can be obtained by simple chemical reactions. In addition, it can also be used to prepare pure silicon by thin film deposition, which is one of the important special electronic grade gases in the semiconductor industry.

According to our (Global Info Research) latest study, the global Silicon Hexahydride market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Silicon Hexahydride 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 2023, are provided.

Key Features:

Global Silicon Hexahydride market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Silicon Hexahydride market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Silicon Hexahydride market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Silicon Hexahydride market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

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 Silicon Hexahydride

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 Silicon Hexahydride 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 Mitsui Chemicals, Air Liquide, Taiwan Speciality Chemicals Corporation, SK Materials and Matheson, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Silicon Hexahydride market is split by Type and by Application. For the period 2018-2029, 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

Above 99.998%

Below 99.998%

#### Market segment by Application

Semiconductor

Solar

#### Major players covered

Mitsui Chemicals

Air Liquide

Taiwan Speciality Chemicals Corporation

SK Materials

Matheson

SIAD

REC Silicon

Anhui Argosun

Linde Gas

Gelest

Voltaix

#### 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 Silicon Hexahydride product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silicon Hexahydride, with price, sales, revenue and global market share of Silicon Hexahydride from 2018 to 2023.

Chapter 3, the Silicon Hexahydride competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Silicon Hexahydride breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Silicon Hexahydride market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Silicon

Hexahydride.

Chapter 14 and 15, to describe Silicon Hexahydride sales channel, distributors, customers, research findings and conclusion.

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