

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Silicon Monoxide Market 2018, Forecast to 2023

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# **Abstracts**

Silicon monoxide, SiO, is an amorphous solid which does not have a characteristic Xray diffraction pattern. SiO is brown in powder or pressed form and black in granular or lump form. It is stable at room temperature, but at temperatures of 400-800°C, X-ray readings show traces of the disproportionation products silicon and quartz. SiO is a highly desirable coating material due to its high deposition rate and ease of evaporation using low cost resistance-heated coating systems. SiO is also noted for its excellent environmental stability.

#### SCOPE OF THE REPORT:

This report focuses on the Silicon Monoxide in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The market is majorly driven by the increasing demand from anode material of lithium ion batteries, Silicon (Si)-based materials have the highest capacity among the investigated anode materials and have been recognized as one of the most promising materials for lithium-ion batteries. Moreover, the market is growing due to the increasing industrialization and urbanization in developing economies.

The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market. Looking to the future years, the slow downward price trend in recent years will maintain. As competition intensifies, prices gap between different brands will go narrowing. Similarly, there will be fluctuation in gross margin.

The industry is expected to remain innovation-led, with frequent acquisitions and



strategic alliances adopted as the key strategies by the players to increase their industry presence. Market stays in mature period with a clear concentration. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins. Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times.

The worldwide market for Silicon Monoxide is expected to grow at a CAGR of roughly 12.6% over the next five years, will reach 160 million US\$ in 2023, from 79 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Materion

**OSAKA** Titanium Technologies

EMD Performance Materials (Merck)

Shin-Etsu Chemical

BTR

Shanshan Group

Jayu Optical Material

Rearth Technology

Taizhou Dongfang Coating Material

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)



South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

(3N) 99.9%

(4N) 99.99%

Others

Market Segment by Applications, can be divided into

**Coating Applications** 

Anode Material Applications

Others

There are 15 Chapters to deeply display the global Silicon Monoxide market.

Chapter 1, to describe Silicon Monoxide Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Silicon Monoxide, with sales, revenue, and price of Silicon Monoxide, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Silicon Monoxide, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and



by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Silicon Monoxide market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Silicon Monoxide sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source



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