

Global Industrial Grade Silicon Tetrachloride Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G84B86D543A4EN.html>

Date: February 2026

Pages: 134

Price: US\$ 4,480.00 (Single User License)

ID: G84B86D543A4EN

Abstracts

The global Industrial Grade Silicon Tetrachloride market size is expected to reach \$ 1115 million by 2032, rising at a market growth of 4.4% CAGR during the forecast period (2026-2032).

Industrial-grade silicon tetrachloride (SiCl_4) is a basic chlorosilane chemical used in fields such as organosilicon, silica, and chlorosilane chemicals. It is typically a colorless, transparent liquid with strong volatility and hygroscopicity. Its purity is generally in the range of 98%–99.5%, with impurities including trichlorosilane (SiHCl_3), dichlorodisilazane (Si_2Cl_2), hydrogen chloride (HCl), and ppm-level metal ions. Industrial-grade products typically have a moisture content of 50–200 ppm and metal impurities controlled at the ppm level, suitable for large-scale chemical reactions, but not meeting the ultra-high purity requirements of the electronics industry.

In contrast, high-purity (electronic-grade) silicon tetrachloride requires a purity of 99.999% (5N) to 99.99999% (7N), with metal impurities controlled at the ppb–ppt level, near-zero moisture, and requires multi-stage distillation, deep purification, and ultra-clean processes. It is mainly used in high-end applications such as optical fiber preforms and semiconductor materials. The product has an average price of approximately US\$1,050 per ton and global sales of approximately 766,000 tons.

This report studies the global Industrial Grade Silicon Tetrachloride production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Grade Silicon Tetrachloride and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends

and competition, as well as details the characteristics of Industrial Grade Silicon Tetrachloride that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Grade Silicon Tetrachloride total production and demand, 2021-2032, (Kilotons)

Global Industrial Grade Silicon Tetrachloride total production value, 2021-2032, (USD Million)

Global Industrial Grade Silicon Tetrachloride production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Industrial Grade Silicon Tetrachloride consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Industrial Grade Silicon Tetrachloride domestic production, consumption, key domestic manufacturers and share

Global Industrial Grade Silicon Tetrachloride production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Industrial Grade Silicon Tetrachloride production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Industrial Grade Silicon Tetrachloride production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Industrial Grade Silicon Tetrachloride 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 Dow, Wacker, Evonik, Momentive, Shin-Etsu, Tokuyama, Mitsubishi Materials, Hemlock Semiconductor, REC Silicon, CGL, 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 Industrial Grade Silicon Tetrachloride market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Industrial Grade Silicon Tetrachloride Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial Grade Silicon Tetrachloride Market, Segmentation by Type:

Direct Chlorination Method

By-Product Recovery Method

Hydrochlorination Cycle Method

Global Industrial Grade Silicon Tetrachloride Market, Segmentation by Physical Form:

Liquid Silicon Tetrachloride

Gas-Phase Silicon Tetrachloride

Global Industrial Grade Silicon Tetrachloride Market, Segmentation by Application

Direction:

- Organosilicon Intermediates
- Silica Production
- Chlorosilane System Chemicals
- Other

Global Industrial Grade Silicon Tetrachloride Market, Segmentation by Application:

- Chemical Industry
- Photovoltaic Industry
- Other

Companies Profiled:

- Dow
- Wacker
- Evonik
- Momentive
- Shin-Etsu
- Tokuyama
- Mitsubishi Materials
- Hemlock Semiconductor
- REC Silicon

CGL

Tongwei

Zhejiang Hesheng Silicon

Sunfar

Zhejiang Zhongda Group

China Silicon Corp

Key Questions Answered:

1. How big is the global Industrial Grade Silicon Tetrachloride market?
2. What is the demand of the global Industrial Grade Silicon Tetrachloride market?
3. What is the year over year growth of the global Industrial Grade Silicon Tetrachloride market?
4. What is the production and production value of the global Industrial Grade Silicon Tetrachloride market?
5. Who are the key producers in the global Industrial Grade Silicon Tetrachloride market?
6. What are the growth factors driving the market demand?

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