

Global Electronic Grade Dichlorosilane & DCS (SiH₂Cl₂) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

Dichlorosilane, or DCS as it is commonly known, is a chemical compound with the formula H₂SiCl₂. In its major use, it is mixed with ammonia (NH₃) in LPCVD chambers to grow silicon nitride in semiconductor processing. A higher concentration of DCS-NH₃ (i.e., 16:1), usually results in lower stress nitride films.

According to our (Global Info Research) latest study, the global Electronic Grade Dichlorosilane & DCS (SiH₂Cl₂) market size was valued at US\$ 103 million in 2023 and is forecast to a readjusted size of USD 156 million by 2030 with a CAGR of 6.2% during review period.

Shinetsu is the largest manufacturer of electronic grade dichlorosilane/DCS (SiH₂Cl₂) in the world, has a share about 50%. Other players include Nippon Sanso, Linde Gas, and Sumitomo Seika, etc.

Geographically speaking, Japan is the largest market and covers over 70% of total market share. In terms of type, above 99.9% is most popular and has a market share of over 70%. In terms of application, semiconductor is the dominant product using electronic grade dichlorosilane/DCS (SiH₂Cl₂) and accounts for over 95% market share.

This report is a detailed and comprehensive analysis for global Electronic Grade Dichlorosilane & DCS (SiH₂Cl₂) 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 2024, are provided.

Key Features:

Global Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2019-2024

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 Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2)

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 Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Shinetsu, Nippon Sanso, Sumitomo Seika, Tangshan Sunfar Silicon, Linde Gas, Air Liquide, REC Silicon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market is split by Type and by Application. For the period 2019-2030, 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 99.9%

Above 99.99%

Market segment by Application

Semiconductor

Others

Major players covered

Shinetsu

Nippon Sanso

Sumitomo Seika

Tangshan Sunfar Silicon

Linde Gas

Air Liquide

REC Silicon

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 Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2), with price, sales quantity, revenue, and global market share of Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) from 2019 to 2024.

Chapter 3, the Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

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 2019 to 2024. and Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) market forecast, by

regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2).

Chapter 14 and 15, to describe Electronic Grade Dichlorosilane & DCS (SiH_2Cl_2) sales channel, distributors, customers, research findings and conclusion.

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