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Global 4, 4?-Diaminodiphenylsulfone Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G7E2808EC2DCEN.html
Date: August 2026
Pages: 85
Price: US$ 3,480.00 (Single User License)
ID: G7E2808EC2DCEN

Abstracts

According to our (Global Info Research) latest study, the global 4, 4?-Diaminodiphenylsulfone market size was valued at US$ 37.45 million in 2025 and is forecast to a readjusted size of US$ 49.06 million by 2032 with a CAGR of 3.9% during review period.

4, 4?-Diaminodiphenylsulfone (DDS), CAS 80-08-0, is an important dual-use organic compound; it serves as a broad-spectrum antibacterial agent in the pharmaceutical sector and functions as a high-performance epoxy resin curing agent and a monomer for synthetic polymer materials in industrial applications.

Upstream operations primarily center on chlorinated aromatic sulfone intermediates, ammonia sources, solvents, and refining aids. A typical production route involves the ammonolysis of 4,4'-dichlorodiphenyl sulfone, with liquid ammonia or aqueous ammonia serving as the key ammoniation raw materials. Post-reaction processing?including filtration, crystallization, washing, drying, and particle size control?is required to obtain material-grade products. Upstream costs are determined not only by the prices of basic chemicals but also by factors such as the supply stability of 4,4'-dichlorodiphenyl sulfone, ammoniation yield, impurity control, color, melting point range, particle size distribution, and high-purity refining capabilities. The midstream segment encompasses the synthesis, refining, micronization, and quality testing of 4,4'-DDS. As a dual-use chemical, it plays a pivotal role downstream in high-performance industrial resins and specific pharmaceutical applications.

Global sales volume is projected to reach approximately 3,600 metric tons in 2025, with a prevailing average ex-factory price of around US$10/kg; major manufacturers in the

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industry typically achieve gross profit margins of approximately 28%?38%.

4,4?-Diaminodiphenyl sulfone (DCDPS) is a high-value-added intermediate for high-performance materials, produced in relatively small volumes. Industry growth is primarily driven by rising demand for highly reliable curing systems in sectors such as aerospace composites, electronic packaging, PCBs, heat-resistant resins, and specialty coatings. Its key advantages?outstanding heat resistance, superior electrical properties, and a long pot life?make it well-suited for high-end epoxy and heat-resistant polymer systems; however, it faces challenges such as low reactivity, high processing temperature requirements, and lengthy downstream certification cycles, meaning the market will not see the massive volume expansion typical of commodity epoxy curing agents. Future demand is expected to grow steadily, fueled by the lightweighting of composites, the push for higher reliability in electronic materials, and the domestic substitution of high-performance polymers; nevertheless, the supply side remains constrained by factors such as the availability of high-purity raw materials, refining capabilities, particle size and impurity control, and barriers related to customer certification.

This report is a detailed and comprehensive analysis for global 4, 4?-Diaminodiphenylsulfone 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 2025, are provided.

Key Features:

Global 4, 4?-Diaminodiphenylsulfone market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global 4, 4?-Diaminodiphenylsulfone market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global 4, 4?-Diaminodiphenylsulfone market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

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Global 4, 4?-Diaminodiphenylsulfone market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/kg), 2021-2026

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 4, 4?-Diaminodiphenylsulfone

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 4, 4?-Diaminodiphenylsulfone 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 Ganesh Polychem, Atul, Seika Group, Hebei Jianxin Chemical Industry, Jinzhou Sanfeng Technology, etc.

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

Market Segmentation

4, 4?-Diaminodiphenylsulfone market is split by Type and by Application. For the period 2021-2032, 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

Purity ?99%

Purity ?99.5%

Market segment by Grade

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Industrial Grade

Pharmaceutical Grade

Market segment by Form

Crystalline Powder

Micronized

Other

Market segment by Application

Curing Agent

Engineering Plastics

Pharmaceuticals

Other

Major players covered

Ganesh Polychem

Atul

Seika Group

Hebei Jianxin Chemical Industry

Jinzhou Sanfeng Technology

Market segment by region, regional analysis covers

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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 4, 4?-Diaminodiphenylsulfone product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 4, 4?-Diaminodiphenylsulfone, with price, sales quantity, revenue, and global market share of 4, 4?-Diaminodiphenylsulfone from 2021 to 2026.

Chapter 3, the 4, 4?-Diaminodiphenylsulfone competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 4, 4?-Diaminodiphenylsulfone breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and 4, 4?-Diaminodiphenylsulfone market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

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Chapter 13, the key raw materials and key suppliers, and industry chain of 4, 4?-Diaminodiphenylsulfone.

Chapter 14 and 15, to describe 4, 4?-Diaminodiphenylsulfone sales channel, distributors, customers, research findings and conclusion.

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