

Global Data Center Fluorine-based Cooling Fluids Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Data Center Fluorine-based Cooling Fluids market size was valued at US\$ 1705 million in 2025 and is forecast to a readjusted size of US\$ 2532 million by 2032 with a CAGR of 6.2% during review period.

Data Center Fluorine-based Cooling Fluids are cooling liquids designed specifically for data centers, primarily composed of fluorine-based chemical compounds. These fluids exhibit excellent heat transfer properties, effectively managing and dissipating heat in high-density computing environments. Compared to traditional water cooling systems, fluorine-based coolants offer lower corrosion rates, longer lifespans, and better thermal stability, making them widely used in high-performance computing (HPC) and data centers with stringent requirements. Fluorine-based cooling fluids show significant potential in reducing energy consumption, enhancing cooling efficiency, and extending equipment lifespans. In 2025, global Data Center Fluorine-based Cooling Fluids Materials production reached approximately 33144 tons, with an average global market price of around 50000 USD/ton. The production capacity for Data Center Fluorine-based Cooling Fluids in 2025 was approximately 40000 tons . The typical gross profit margin for Data Center Fluorine-based Cooling Fluids between 20% and 40%.

This report is a detailed and comprehensive analysis for global Data Center Fluorine-based Cooling Fluids 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 Data Center Fluorine-based Cooling Fluids market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Data Center Fluorine-based Cooling Fluids market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Data Center Fluorine-based Cooling Fluids market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Data Center Fluorine-based Cooling Fluids market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 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 Data Center Fluorine-based Cooling Fluids

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 Data Center Fluorine-based Cooling Fluids 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 Syensqo, Daikin, Dow, Chemours, Juhua Group, Dongyue Fluorosilicone Science and Technology Group, Capchem Technology, ZheJiang Yonghe Refrigerant, Zhejiang Noah Fluorochemical, Nantong Zhanding Material Technology, etc.

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

Market Segmentation

Data Center Fluorine-based Cooling Fluids 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

- Fluorocarbons

- Fluoroethers

Market segment by Cooling Method

- Single-phase Cooling Fluids

- Two-phase Cooling Fluids

Market segment by Application

- Cloud Data Centers

- AI Data Centers / AI Servers

- High-Performance Computing (HPC)

- Enterprise Data Centers

- Others

Major players covered

Syensqo

Daikin

Dow

Chemours

Juhua Group

Dongyue Fluorosilicone Science and Technology Group

Capchem Technology

ZheJiang Yonghe Refrigerant

Zhejiang Noah Fluorochemical

Nantong Zhanding Material Technology

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 Data Center Fluorine-based Cooling Fluids product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Data Center Fluorine-based Cooling Fluids, with price, sales quantity, revenue, and global market share of Data Center Fluorine-based Cooling Fluids from 2021 to 2026.

Chapter 3, the Data Center Fluorine-based Cooling Fluids competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Data Center Fluorine-based Cooling Fluids 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 Data Center Fluorine-based Cooling Fluids 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.

Chapter 13, the key raw materials and key suppliers, and industry chain of Data Center Fluorine-based Cooling Fluids.

Chapter 14 and 15, to describe Data Center Fluorine-based Cooling Fluids sales channel, distributors, customers, research findings and conclusion.

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