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Global Data Center Fluorine-based Cooling Fluids Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Data Center Fluorine-based Cooling Fluids market size is expected to reach $ 2532 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

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 studies the global Data Center Fluorine-based Cooling Fluids production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Fluorine-based Cooling Fluids 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 Data Center Fluorine-based Cooling Fluids that contribute to its increasing demand across many

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markets.

Highlights and key features of the study
Global Data Center Fluorine-based Cooling Fluids total production and demand, 2021-2032, (Tons)
Global Data Center Fluorine-based Cooling Fluids total production value, 2021-2032, (USD Million)
Global Data Center Fluorine-based Cooling Fluids production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Data Center Fluorine-based Cooling Fluids consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Data Center Fluorine-based Cooling Fluids domestic production, consumption, key domestic manufacturers and share
Global Data Center Fluorine-based Cooling Fluids production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Data Center Fluorine-based Cooling Fluids production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Data Center Fluorine-based Cooling Fluids production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Data Center Fluorine-based Cooling Fluids 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Data Center Fluorine-based Cooling Fluids market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/Ton) by

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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 Data Center Fluorine-based Cooling Fluids Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Fluorine-based Cooling Fluids Market, Segmentation by Type:

Fluorocarbons

Fluoroethers

Global Data Center Fluorine-based Cooling Fluids Market, Segmentation by Cooling Method:

Single-phase Cooling Fluids

Two-phase Cooling Fluids

Global Data Center Fluorine-based Cooling Fluids Market, Segmentation by Application:

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Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

Companies Profiled:

Syensqo

Daikin

Dow

Chemours

Juhua Group

Dongyue Fluorosilicone Science and Technology Group

Capchem Technology

ZheJiang Yonghe Refrigerant

Zhejiang Noah Fluorochemical

Nantong Zhanding Material Technology

Key Questions Answered:
1. How big is the global Data Center Fluorine-based Cooling Fluids market?
2. What is the demand of the global Data Center Fluorine-based Cooling Fluids market?
3. What is the year over year growth of the global Data Center Fluorine-based Cooling Fluids market?

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4. What is the production and production value of the global Data Center Fluorine-based Cooling Fluids market?
5. Who are the key producers in the global Data Center Fluorine-based Cooling Fluids market?
6. What are the growth factors driving the market demand?

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