

# Global Data Center Fluorocarbon Coolant Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G8561AAE1098EN.html>

Date: November 2025

Pages: 95

Price: US\$ 3,480.00 (Single User License)

ID: G8561AAE1098EN

## Abstracts

According to our (Global Info Research) latest study, the global Data Center Fluorocarbon Coolant market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Fluorocarbons are collectively called fluorinated liquids in the industry. They are a type of organic compound obtained by replacing part or all of the hydrogen contained in hydrocarbons with fluorine. This type of compound generally has good overall heat transfer properties and can achieve no flash point and non-flammable properties. In addition, fluorinated liquid has good chemical inertness, good compatibility with electronic components made of various materials, and has good kinematic viscosity, which can flow and dissipate heat well in the temperature control system. Currently, fluorinated fluids are widely considered to be the most suitable for use in data center liquid cooling systems. Currently, common fluorocarbons include hydrofluoroethers (HFE), perfluorinated polyethers (PFPE), and perfluoroolefins.

### Latest Development:

The latest document issued by China requires that by 2025, the PUE value of large and ultra-large data centers will be reduced to below 1.3, and liquid cooling can reduce the PUE value to around 1.1, meeting policy requirements.

In December 2022, 3M announced that it would withdraw from all perfluorinated and polyfluoroalkyl substances (PFAS) production by the end of 2025. 3M will stop producing all fluoropolymers, fluorinated fluids and PFAS-based additive products.

This report is a detailed and comprehensive analysis for global Data Center Fluorocarbon Coolant 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 Fluorocarbon Coolant market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2020-2031

Global Data Center Fluorocarbon Coolant market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2020-2031

Global Data Center Fluorocarbon Coolant market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2020-2031

Global Data Center Fluorocarbon Coolant market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2020-2025

### **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 Fluorocarbon Coolant

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 Fluorocarbon Coolant 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 3M, Solvay, AGC, Chemours, Shanghai Yuji Sifluo Co., Ltd., Zhejiang Yongtai Technology, Juhua Group, Zhejiang Noah Fluorochemical Co., Ltd, Shenzhen Capchem Technology Co.,Ltd, etc.

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

## **Market Segmentation**

Data Center Fluorocarbon Coolant market is split by Type and by Application. For the period 2020-2031, 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

Perfluoropolyether (PFPE)

Hydrofluoroether (HFE)

Perfluoroalkane

### Market segment by Application

Large Data Center

Small and Medium Data Center

### Major players covered

3M

Solvay

AGC

Chemours

Shanghai Yuji Sifluo Co., Ltd.

Zhejiang Yongtai Technology

Juhua Group

Zhejiang Noah Fluorochemical Co., Ltd

Shenzhen Capchem Technology Co.,Ltd

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 Fluorocarbon Coolant product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Data Center Fluorocarbon Coolant, with price, sales quantity, revenue, and global market share of Data Center Fluorocarbon Coolant from 2020 to 2025.

Chapter 3, the Data Center Fluorocarbon Coolant competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Data Center Fluorocarbon Coolant breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Data Center Fluorocarbon Coolant market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Fluorocarbon Coolant.

Chapter 14 and 15, to describe Data Center Fluorocarbon Coolant sales channel, distributors, customers, research findings and conclusion.

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