

# **Engineered fluids (Fluorinated fluids) Market by Type (Lubricants, Solvents, Heat Transfer Fluids), End-Use Industry (Electronics & Semiconductor, Automotive, Chemical Processing, Oil & Gas, Power Generation, Aerospace), Region - Global Forecast to 2023**

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## **Abstracts**

“Versatility and superior properties of engineered fluids (fluorinated fluids) are expected to drive the global engineered fluids (fluorinated fluids) market during the forecast period.”

The engineered fluids (fluorinated fluids) market is estimated at USD 854 million in 2018 and is projected to reach USD 1,304 million by 2023, at a CAGR of 8.8% between 2018 and 2023. The market is driven by various factors such as increased thermal management issues in industries such as electronics & semiconductor, automotive, and aerospace. These properties enable fluorinated to perform under extreme conditions such as high pressure, oxidation-prone environment, and high temperature operating conditions. Engineered fluids (fluorinated fluids) are used in various end-use industries such as electronics & semiconductor, automotive, chemical processing, oil & gas, power generation, and aerospace, to reduce friction between the machine parts.

“Electronics & semiconductor end-use industry is expected to register the highest CAGR in the global engineered fluids (fluorinated fluids) market during the forecast period.”

The semiconductor industry is expected to increase its revenue mainly by diversification into new technologies such as the Internet of things (IoT) and artificial intelligence (AI). A lot of companies are also investing in R&D to develop cutting edge technologies. Engineered fluids (fluorinated fluids) are used in applications such as electronics

cooling, heating, testing, chamber cleaning, connectors, process chamber, and wafer handling.

“Heat transfer fluids segment is expected to register the highest CAGR in the global engineered fluids (fluorinated fluids) market during the forecast period.”

Heat transfer fluids maintain the temperature of a system and enhance energy savings by transferring heat from one system to another. They store heat to prevent the overheating of thermal devices by circulating the fluid through its mechanical parts. Important heat transfer fluid properties include low toxicity, low viscosity at low temperatures, high specific heat, thermal conductivity, and a high flash point. Increasing emphasis on energy savings due to awareness about energy conservation is expected to benefit the heat transfer fluids market. This is expected to provide growth opportunities for the heat transfer fluids market.

“APAC is projected to record the highest growth rate during the forecast period.”

APAC is the largest engineered fluids (fluorinated fluids) market and is expected to continue until 2023. China is the key market in the region. India is expected to witness the fastest growth rate, in terms of consumption, between 2018 and 2023. Currently, the global electronic chips market is dominated by China, Japan, and South Korea, in terms of production and revenues. The low manufacturing cost has encouraged electronics-producing companies to establish their presence in the countries of APAC. This has increased electronics production in APAC, which is projected to increase the demand for engineered fluids (fluorinated fluids) in the region between 2018 and 2023.

Extensive primary interviews were conducted to determine and verify the market size for several segments and subsegments and information gathered through secondary research.

The breakup of primary interviews is given below.

By Company Type - Tier 1 – 25%, Tier 2 – 42%, and Tier 3 – 33%

By Designation - C level – 20%, Director level – 30%, and Others – 50%

By Region - Europe – 20%, APAC – 50%, North America – 10%, South America – 10%. Middle East & Africa – 10%

The leading players in the engineered fluids (fluorinated fluids) market are Daikin Industries (Japan), Solvay SA (Belgium), The Chemours Company (US), 3M (US), Asahi Glass Company (Japan), Halocarbon Products Corporation (US), Halopolymer (Russia), F2 Chemicals (UK), IKV Tribology (UK), Lubrilog Lubrication Engineering (France), Nye lubricants (US), and Interflon (Netherlands).

#### Research Coverage:

This research report categorizes the global engineered fluids (fluorinated fluids) market on the basis type, end-use industry, and region. The report includes detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, and opportunities. Detailed analysis of the key market players provides insights into business overviews, services, key strategies, and recent developments associated with the market.

#### Reasons to Buy the Report

The report will help market leaders/new entrants in this market in the following ways:

1. This report segments the global engineered fluids (fluorinated fluids) market comprehensively and provides the closest approximations of market sizes for the overall market and subsegments across verticals and regions.
2. The report will help stakeholders understand the pulse of the market and provide them with information on the key market drivers, restraints, and opportunities.
3. This report will help stakeholders understand the major competitors and gain insights to enhance their position in the business. The competitive landscape section includes expansions, acquisitions, and agreements.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 REGIONS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 UNIT CONSIDERED
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE FLUORINATED FLUIDS MARKET
- 4.2 APAC FLUORINATED FLUIDS MARKET, BY TYPE AND COUNTRY
- 4.3 FLUORINATED FLUIDS MARKET, BY TYPE
- 4.4 FLUORINATED FLUIDS MARKET, BY END-USE INDUSTRY
- 4.5 FLUORINATED FLUIDS MARKET, BY REGION

## **5 MARKET OVERVIEW**

### **5.1 INTRODUCTION**

### **5.2 MARKET DYNAMICS**

#### **5.2.1 DRIVERS**

5.2.1.1 Superior properties of fluorinated fluids

5.2.1.2 Environment-friendly properties of fluorinated fluids

5.2.1.3 High demand in APAC

5.2.1.4 Growth of end-use industries

#### **5.2.2 RESTRAINTS**

5.2.2.1 High cost of technology development and manufacturing of fluorinated fluids

#### **5.2.3 OPPORTUNITIES**

5.2.3.1 Growing demand for heat exchangers

5.2.3.2 Replacement of petroleum-based lubricants with fluorinated lubricants

### **5.3 PORTER'S FIVE FORCES ANALYSIS**

#### **5.3.1 THREAT OF NEW ENTRANTS**

#### **5.3.2 BARGAINING POWER OF SUPPLIERS**

#### **5.3.3 THREAT OF SUBSTITUTES**

#### **5.3.4 BARGAINING POWER OF BUYERS**

#### **5.3.5 INTENSITY OF COMPETITIVE RIVALRY**

## **6 FLUORINATED FLUIDS MARKET, BY TYPE**

### **6.1 INTRODUCTION**

### **6.2 LUBRICANTS**

6.2.1 SUPERIOR PROPERTIES OF FLUORINATED LUBRICANTS IN COMPARISON TO PETROLEUM-BASED LUBRICANTS ARE DRIVING THIS SEGMENT OF THE MARKET

### **6.3 SOLVENTS**

6.3.1 ENVIRONMENTAL-FRIENDLY PROPERTIES OF FLUORINATED SOLVENTS ARE BOOSTING THE MARKET

### **6.4 HEAT TRANSFER FLUIDS**

6.4.1 LOW TOXICITY AND ENERGY-SAVING PROPERTIES OF HEAT TRANSFER FLUIDS ARE THE KEY GOVERNING FACTORS FOR THE MARKET

## **7 FLUORINATED FLUIDS MARKET, BY END-USE INDUSTRY**

## 7.1 INTRODUCTION

## 7.2 AEROSPACE

7.2.1 INCREASING DEMAND IN OXYGEN SYSTEMS, ACTUATORS, AND MECHANICAL COMPONENTS IS PROJECTED TO DRIVE THE FLUORINATED FLUIDS MARKET IN THE AEROSPACE INDUSTRY

## 7.3 AUTOMOTIVE

7.3.1 PROPERTIES SUCH AS STRONG WEATHERABILITY AND HIGH RESISTANCE TO FUEL MAKE FLUORINATED FLUIDS SUITABLE FOR USE IN THE AUTOMOTIVE INDUSTRY

## 7.4 ELECTRONICS & SEMICONDUCTOR

7.4.1 INCREASING THERMAL MANAGEMENT ISSUES IN THE ELECTRONICS INDUSTRY ARE BOOSTING THE DEMAND FOR FLUORINATED FLUIDS

## 7.5 OIL & GAS

7.5.1 SPECIAL PROPERTIES SUCH AS NON-FLAMMABILITY, NON-TOXICITY, AND EXTENDED EQUIPMENT LIFE ARE THE FACTORS GOVERNING THE MARKET GROWTH IN THIS END-USE SEGMENT

## 7.6 CHEMICAL PROCESSING

7.6.1 INCREASE IN CHEMICAL PRODUCTION IN APAC IS DRIVING THE DEMAND FOR FLUORINATED FLUIDS IN THE CHEMICAL PROCESSING INDUSTRY

## 7.7 POWER GENERATION

7.7.1 LONG LASTING LUBRICATION IN THE POWER GENERATION INDUSTRY IS EXPECTED TO DRIVE THE MARKET.

## 7.8 OTHERS

# 8 FLUORINATED FLUIDS MARKET, BY REGION

## 8.1 INTRODUCTION

## 8.2 NORTH AMERICA

### 8.2.1 US

8.2.1.1 Increasing demand for high-performance machines and growing investments in the electronics & semiconductor industry is projected to drive the market

### 8.2.2 CANADA

8.2.2.1 Increasing focus on manufacturing technology-driven products is spurring the demand for fluorinated fluids

### 8.2.3 MEXICO

8.2.3.1 Low operational cost for manufacturing in the country is expected to boost the demand for fluorinated fluids

## 8.3 EUROPE

### 8.3.1 GERMANY

8.3.1.1 Improved price competitiveness, innovation in the manufacturing sector, and focus on developing advanced automotive and industrial electronics are expected to drive the demand for fluorinated fluids

### 8.3.2 UK

8.3.2.1 Strong hold on the production of high-end consumer electronics is significantly increasing the demand for fluorinated fluids

### 8.3.3 FRANCE

8.3.3.1 Opportunities in the electronics industry and increasing manufacturing activities are contributing to the market growth

### 8.3.4 RUSSIA

8.3.4.1 Increasing investments in chemical and petrochemical industries are boosting the demand for fluorinated fluids

### 8.3.5 ITALY

8.3.5.1 Increasing focus on aerospace and industrial sectors is spurring the demand for fluorinated fluids

### 8.3.6 REST OF EUROPE

## 8.4 APAC

### 8.4.1 CHINA

8.4.1.1 Low manufacturing cost and presence of component manufacturers are fueling the market

### 8.4.2 INDIA

8.4.2.1 Increase in FDI, supportive government policies, and low manufacturing cost are expected to impact the market growth positively

### 8.4.3 JAPAN

8.4.3.1 Presence of a strong electronics industry is increasing the demand for fluorinated fluids

### 8.4.4 SOUTH KOREA

8.4.4.1 The country's focus on increasing electronics chip manufacturing is driving the market

### 8.4.5 INDONESIA

8.4.5.1 Competitive labor cost and revision of tax allowance and tax holidays to investors are driving the demand for fluorinated fluids

### 8.4.6 VIETNAM

8.4.6.1 Growing economy and government initiatives are fueling the market growth

### 8.4.7 REST OF APAC

## 8.5 SOUTH AMERICA

### 8.5.1 BRAZIL

8.5.1.1 New government policies on FDI and high tax on imported products are likely to have a significant impact on the market

### 8.5.2 ARGENTINA

8.5.2.1 Increasing investment in the electronics & semiconductor industry and growing production activities in the chemical processing and oil & gas industries to drive the demand for fluorinated fluids

### 8.5.3 REST OF SOUTH AMERICA

## 8.6 MIDDLE EAST & AFRICA

### 8.6.1 SOUTH AFRICA

8.6.1.1 Increasing focus on electronics and automotive components manufacturing are the factors governing the market growth

### 8.6.2 SAUDI ARABIA

8.6.2.1 Increasing focus on the non-oil sector is driving the demand for fluorinated fluids

### 8.6.3 REST OF MIDDLE EAST & AFRICA

## 9 COMPETITIVE LANDSCAPE

### 9.1 INTRODUCTION

### 9.2 COMPETITIVE LEADERSHIP MAPPING, 2017

#### 9.2.1 TERMINOLOGY/NOMENCLATURE

9.2.1.1 Visionary Leaders

9.2.1.2 Dynamic Differentiators

9.2.1.3 Emerging Companies

9.2.1.4 Innovators

#### 9.2.2 STRENGTH OF PRODUCT PORTFOLIO

#### 9.2.3 BUSINESS STRATEGY EXCELLENCE

### 9.3 COMPETITIVE SCENARIO

9.3.1 EXPANSION

9.3.2 AGREEMENT

9.3.3 ACQUISITION

## 10 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)\*

### 10.1 THE CHEMOURS COMPANY



- 10.2 DAIKIN INDUSTRIES
- 10.3 SOLVAY SA
- 10.4 THE 3M COMPANY
- 10.5 ASAHI GLASS COMPANY
- 10.6 HALOCARBON PRODUCTS CORPORATION
- 10.7 ENGINEERED CUSTOM LUBRICANTS
- 10.8 HALOPOLYMER KIROVO-CHEPETSK
- 10.9 F2 CHEMICALS LTD.
- 10.10 IKV TRIBOLOGY
- 10.11 OTHER PLAYERS
  - 10.11.1 LUBRILOG LUBRICATION ENGINEERING
  - 10.11.2 NYE LUBRICANTS
  - 10.11.3 INTERFLON
  - 10.11.4 FINISH LINE
  - 10.11.5 HARVES CO. LTD.
  - 10.11.6 HONEYWELL INTERNATIONAL INC.
  - 10.11.7 FRONTIER PERFORMANCE LUBRICANTS, INC.
  - 10.11.8 CONDAT LUBRICANTS
  - 10.11.9 KLUBER LUBRICANTS
  - 10.11.10 PERFORMANCE FLUIDS LIMITED

\*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

## **11 APPENDIX**

- 11.1 DISCUSSION GUIDE
- 11.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 11.3 RELATED REPORTS
- 11.4 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

TABLE 1 FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 2 FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 3 FLUORINATED LUBRICANTS MARKET SIZE, BY REGION, 2016—2023 (TON)

TABLE 4 FLUORINATED LUBRICANTS MARKET SIZE, BY REGION, 2016—2023 (USD MILLION)

TABLE 5 FLUORINATED SOLVENTS MARKET SIZE, BY REGION, 2016—2023 (TON)

TABLE 6 FLUORINATED SOLVENTS MARKET SIZE, BY REGION, 2016—2023 (USD MILLION)

TABLE 7 FLUORINATED HEAT TRANSFER FLUIDS MARKET SIZE, BY REGION, 2016—2023 (TON)

TABLE 8 FLUORINATED HEAT TRANSFER FLUIDS MARKET SIZE, BY REGION, 2016—2023 (USD MILLION)

TABLE 9 FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 10 FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 11 APPLICATIONS OF FLUORINATED FLUIDS IN AEROSPACE INDUSTRY

TABLE 12 AEROSPACE APPLICATIONS AND THEIR FUNCTIONS

TABLE 13 AIRCRAFT FLEET FORECAST, BY REGION

TABLE 14 FLUORINATED FLUIDS MARKET SIZE IN AEROSPACE END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 15 FLUORINATED FLUIDS MARKET SIZE IN AEROSPACE END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 16 APPLICATIONS OF FLUORINATED FLUIDS IN AUTOMOTIVE INDUSTRY

TABLE 17 FLUORINATED FLUIDS MARKET SIZE IN AUTOMOTIVE END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 18 FLUORINATED FLUIDS MARKET SIZE IN AUTOMOTIVE END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 19 FLUORINATED FLUIDS MARKET SIZE IN ELECTRONICS & SEMICONDUCTOR

END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 20 FLUORINATED FLUIDS MARKET SIZE IN ELECTRONICS & SEMICONDUCTOR

END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 21 FLUORINATED FLUIDS MARKET SIZE IN OIL & GAS END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 22 FLUORINATED FLUIDS MARKET SIZE IN OIL & GAS END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 23 FLUORINATED FLUIDS MARKET SIZE IN CHEMICAL PROCESSING END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 24 FLUORINATED FLUIDS MARKET SIZE IN CHEMICAL PROCESSING END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 25 FLUORINATED FLUIDS MARKET SIZE IN POWER GENERATION END-USE INDUSTRY, BY REGION, 2016–2023 (TON)

TABLE 26 FLUORINATED FLUIDS MARKET SIZE IN POWER GENERATION END-USE INDUSTRY, BY REGION, 2016–2023 (USD MILLION)

TABLE 27 FLUORINATED FLUIDS MARKET SIZE IN OTHERS END-USE INDUSTRIES, BY REGION, 2016–2023 (TON)

TABLE 28 FLUORINATED FLUIDS MARKET SIZE IN OTHERS INDUSTRIES, BY REGION, 2016–2023 (USD MILLION)

TABLE 29 FLUORINATED FLUIDS MARKET SIZE, BY REGION, 2016–2023 (TON)

TABLE 30 FLUORINATED FLUIDS MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

TABLE 31 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (TON)

TABLE 32 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 33 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 34 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 35 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 36 NORTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 37 US: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 38 US: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 39 US: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 40 US: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 41 CANADA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 42 CANADA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 43 CANADA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 44 CANADA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 45 MEXICO: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 46 MEXICO: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 47 MEXICO: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 48 MEXICO: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 49 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (TON)

TABLE 50 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 51 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 52 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 53 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 54 EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 55 GERMANY: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 56 GERMANY: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 57 GERMANY: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 58 GERMANY: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 59 UK: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 60 UK: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 61 UK: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 62 UK: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 63 FRANCE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 64 FRANCE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 65 FRANCE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 66 FRANCE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 67 RUSSIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 68 RUSSIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 69 RUSSIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 70 RUSSIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 71 ITALY: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 72 ITALY: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 73 ITALY: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 74 ITALY: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 75 REST OF EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 76 REST OF EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 77 REST OF EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 78 REST OF EUROPE: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 79 APAC: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (TON)

TABLE 80 APAC: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023

(USD MILLION)

TABLE 81 APAC: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023

(TON)

TABLE 82 APAC: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 83 APAC: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 84 APAC: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 85 CHINA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 86 CHINA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 87 CHINA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 88 CHINA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 89 INDIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 90 INDIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 91 INDIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 92 INDIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 93 JAPAN: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 94 JAPAN: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 95 JAPAN: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 96 JAPAN: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 97 SOUTH KOREA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 98 SOUTH KOREA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 99 SOUTH KOREA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 100 SOUTH KOREA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 101 INDONESIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 102 INDONESIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 103 INDONESIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 104 INDONESIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 105 VIETNAM: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 106 VIETNAM: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 107 VIETNAM: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 108 VIETNAM: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 109 REST OF APAC: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 110 REST OF APAC: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 111 REST OF APAC: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 112 REST OF APAC: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 113 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (TON)

TABLE 114 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 115 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 116 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 117 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 118 SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 119 BRAZIL: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023

(TON)

TABLE 120 BRAZIL: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023  
(USD MILLION)

TABLE 121 BRAZIL: FLUORINATED FLUIDS MARKET SIZE, BY END-USE  
INDUSTRY, 2016–2023 (TON)

TABLE 122 BRAZIL: FLUORINATED FLUIDS MARKET SIZE, BY END-USE  
INDUSTRY, 2016–2023 (USD MILLION)

TABLE 123 ARGENTINA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE,  
2016–2023 (TON)

TABLE 124 ARGENTINA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE,  
2016–2023 (USD MILLION)

TABLE 125 ARGENTINA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE  
INDUSTRY, 2016–2023 (TON)

TABLE 126 ARGENTINA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE  
INDUSTRY, 2016–2023 (USD MILLION)

TABLE 127 REST OF SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY  
TYPE, 2016–2023 (TON)

TABLE 128 REST OF SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY  
TYPE, 2016–2023 (USD MILLION)

TABLE 129 REST OF SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY  
END-USE INDUSTRY, 2016–2023 (TON)

TABLE 130 REST OF SOUTH AMERICA: FLUORINATED FLUIDS MARKET SIZE, BY  
END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 131 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
COUNTRY, 2016–2023 (TON)

TABLE 132 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
COUNTRY, 2016–2023 (USD MILLION)

TABLE 133 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
TYPE, 2016–2023 (TON)

TABLE 134 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
TYPE, 2016–2023 (USD MILLION)

TABLE 135 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
END-USE INDUSTRY, 2016–2023 (TON)

TABLE 136 MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY  
END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 137 SOUTH AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE,  
2016–2023 (TON)

TABLE 138 SOUTH AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE,  
2016–2023 (USD MILLION)



TABLE 139 SOUTH AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 140 SOUTH AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 141 SAUDI ARABIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 142 SAUDI ARABIA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 143 SAUDI ARABIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 144 SAUDI ARABIA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 145 REST OF MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (TON)

TABLE 146 REST OF MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

TABLE 147 REST OF MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (TON)

TABLE 148 REST OF MIDDLE EAST & AFRICA: FLUORINATED FLUIDS MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

TABLE 149 EXPANSION, 2017

TABLE 150 AGREEMENT, 2017

TABLE 151 ACQUISITION, 2017

## List Of Figures

### LIST OF FIGURES

- FIGURE 1 FLUORINATED FLUIDS MARKET SEGMENTATION
- FIGURE 2 FLUORINATED FLUIDS MARKET: RESEARCH DESIGN
- FIGURE 3 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH
- FIGURE 4 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH
- FIGURE 5 FLUORINATED FLUIDS MARKET: DATA TRIANGULATION
- FIGURE 6 LUBRICANTS WAS THE LARGEST TYPE OF FLUORINATED FLUIDS IN 2018
- FIGURE 7 ELECTRONICS & SEMICONDUCTOR TO BE THE FASTEST-GROWING END-USE INDUSTRY OF FLUORINATED FLUIDS
- FIGURE 8 APAC TO BE THE FASTEST-GROWING FLUORINATED FLUIDS MARKET
- FIGURE 9 VERSATILITY AND SUPERIOR PROPERTIES TO DRIVE THE FLUORINATED FLUIDS MARKET BETWEEN 2018 AND 2023
- FIGURE 10 LUBRICANTS SEGMENT ACCOUNTED FOR THE LARGEST MARKET SHARE IN APAC
- FIGURE 11 LUBRICANTS SEGMENT TO REGISTER THE HIGHEST CAGR
- FIGURE 12 ELECTRONICS & SEMICONDUCTOR TO BE THE LARGEST END-USE INDUSTRY
- FIGURE 13 INDIA TO BE THE FASTEST-GROWING MARKET FOR FLUORINATED FLUIDS
- FIGURE 14 DRIVERS, RESTRAINTS, AND OPPORTUNITIES GOVERNING THE FLUORINATED FLUIDS MARKET
- FIGURE 15 PORTER'S FIVE FORCES ANALYSIS OF THE FLUORINATED FLUIDS MARKET
- FIGURE 16 ELECTRONICS & SEMICONDUCTOR END-USE INDUSTRY ACCOUNTED FOR THE LARGEST MARKET SHARE IN 2018
- FIGURE 17 FLEET SIZE, BY TYPE, 2017 VS. 2037
- FIGURE 18 APAC TO DOMINATE THE MARKET DURING THE FORECAST PERIOD
- FIGURE 19 INDIA TO BE THE FASTEST-GROWING FLUORINATED FLUIDS MARKET
- FIGURE 20 NORTH AMERICA: FLUORINATED FLUIDS MARKET SNAPSHOT
- FIGURE 21 APAC: FLUORINATED FLUIDS MARKET SNAPSHOT
- FIGURE 22 COMPANIES MAJORLY ADOPTED ORGANIC GROWTH STRATEGIES IN 2017

FIGURE 23 MARKET EVALUATION FRAMEWORK

FIGURE 24 FLUORINATED FLUIDS MARKET: COMPETITIVE LEADERSHIP  
MAPPING, 2017

FIGURE 25 THE CHEMOURS COMPANY: COMPANY SNAPSHOT

FIGURE 26 THE CHEMOURS COMPANY: SWOT ANALYSIS

FIGURE 27 DAIKIN INDUSTRIES: COMPANY SNAPSHOT

FIGURE 28 DAIKIN INDUSTRIES: SWOT ANALYSIS

FIGURE 29 SOLVAY SA: COMPANY SNAPSHOT

FIGURE 30 SOLVAY SA: SWOT ANALYSIS

FIGURE 31 THE 3M COMPANY: COMPANY SNAPSHOT

FIGURE 32 THE 3M COMPANY: SWOT ANALYSIS

FIGURE 33 ASAHI GLASS COMPANY: COMPANY SNAPSHOT

FIGURE 34 ASAHI GLASS COMPANY: SWOT ANALYSIS

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