

# Global Fluorosurfactants Market Research Report 2016

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## Abstracts

This report studies Fluorosurfactants in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

DuPont

3M

DYNAX

Omnova Solutions Inc.

ChemGuard

Innovative Chemical Technologies Inc.

Maceplast GmbH

IPM Industrial Plastics & Machine Inc.

MAFLON

Tyco International Ltd.

Merck Kgaa

Asahi Glass Co. Ltd.

Advanced Polymer, Inc.

Pilot Chemical Company

DIC Corporation

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Fluorosurfactants in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

India

Row

Split by Product Types, with production, revenue, price, market share and growth rate of each type, can be divided into

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

Anionic Fluorosurfactants

Cationic Fluorosurfactants

Split by applications, this report focuses on consumption, market share and growth rate of Fluorosurfactants in each application, can be divided into

Paint & Coatings

Specialty Detergents

Firefighting

Oilfield & Mining

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## 1 Fluorosurfactants Market Overview

### 1.1 Product Overview and Scope of Fluorosurfactants

Fluorosurfactants, (also fluorinated surfactants, perfluorinated alkylated substances or PFASs) are synthetic organofluorine chemical compounds that have multiple fluorine atoms. They can be polyfluorinated or fluorocarbon-based (perfluorinated). As surfactants, they are more effective at lowering the surface tension of water than comparable hydrocarbon surfactants. They have a fluorinated 'tail' and a hydrophilic 'head.' Some human-made fluorosurfactants, such as PFOS and PFOA, are persistent organic pollutants and are detected in humans and wildlife.

#### Figure Picture of Fluorosurfactants

Source: QYR Chemical Research Center, Dec. 2016

### 1.2 Fluorosurfactants Segment by Types

#### 1.2.1 Global Production Market Share of Fluorosurfactants by Types in 2015

Figure Global Production Market Share of Fluorosurfactants by Types in 2015

Source: QYR Chemical Research Center, Dec. 2016

#### Table Classification of Fluorosurfactants

Types Feature Description

1

2

3

Source: QYR Chemical Research Center, Dec. 2016

#### 1.2.2 Amphoteric Fluorosurfactants

Figure Product Picture of Amphoteric Fluorosurfactants

Source: QYR Chemical Research Center, Dec. 2016

Table Major Manufacturers of Amphoteric Fluorosurfactants

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

?

Source: Above Companies; QYR Chemical Research Center, Dec. 2016

#### 1.2.3 Nonionic Fluorosurfactants

Figure Product Picture of Nonionic Fluorosurfactants

Source: QYR Chemical Research Center, Dec. 2016

Table Major Manufacturers of Nonionic Fluorosurfactants

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

?

Source: Above Companies; QYR Chemical Research Center, Dec. 2016

#### 1.2.4 Anionic Fluorosurfactants

Figure Product Picture of Anionic Fluorosurfactants

Source: QYR Chemical Research Center, Dec. 2016

Table Major Manufacturers of Anionic Fluorosurfactants

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

?

Source: Above Companies; QYR Chemical Research Center, Dec. 2016

#### 1.2.5 Cationic Fluorosurfactants

Figure Product Picture of Cationic Fluorosurfactants

Source: QYR Chemical Research Center, Dec. 2016

Table Major Manufacturers of Cationic Fluorosurfactants

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

?

Source: Above Companies; QYR Chemical Research Center, Dec. 2016

### 1.3 Fluorosurfactants Segment by Applications



### 1.3.1 Fluorosurfactants Consumption Market Share by Applications in 2015

#### Table Fluorosurfactants Consumption Market Share by Applications in 2015

Source: QYR Chemical Research Center, Dec. 2016

#### Table Applications of Fluorosurfactants

Applications Feature Description

1

2

3

Source: QYR Chemical Research Center, Dec. 2016

### 1.3.2 Paint & Coatings

Paint & Coatings

Figure Paint & Coatings Examples

Source: QYR Chemical Research Center, Dec. 2016

### 1.3.3 Specialty Detergents

Specialty Detergents

Figure Specialty Detergents Examples

Source: QYR Chemical Research Center, Dec. 2016

### 1.3.4 Firefighting

Firefighting

Figure Firefighting Examples

Source: QYR Chemical Research Center, Dec. 2016

### 1.3.5 Oilfield & Mining

Oilfield & Mining

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Source: QYR Chemical Research Center, Dec. 2016

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Source: QYR Chemical Research Center, Dec. 2016

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Capacity 2015 2016

DuPont

3M

DYNAX

Omnova Solutions Inc.

ChemGuard

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Table Global Fluorosurfactants Capacity Market Share of Key Manufacturers (2015 and 2016)

Capacity 2015 2016

DuPont

3M

DYNAX

Omnova Solutions Inc.

ChemGuard

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Capacity of Key Manufacturers in 2015

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Capacity of Key Manufacturers in 2016

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Table Global Fluorosurfactants Production of Key Manufacturers (2015 and 2016)  
Production 2015 2016

DuPont

3M

DYNAX

Omnova Solutions Inc.

ChemGuard

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Table Global Fluorosurfactants Production Share by Manufacturers (2015 and 2016)  
Production Share 2015 2016

DuPont

3M

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Figure 2015 Fluorosurfactants Production Share by Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Figure 2016 Fluorosurfactants Production Share by Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
2.2 Global Fluorosurfactants Revenue and Share by Manufacturers (2015 and 2016)  
Table Global Fluorosurfactants Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue 2015 2016

DuPont

3M

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Table Global Fluorosurfactants Revenue Share by Manufacturers (2015 and 2016)  
Revenue Share 2015 2016

DuPont

3M

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016  
Table 2015 Global Fluorosurfactants Revenue Share by Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Table 2016 Global Fluorosurfactants Revenue Share by Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016

2.3 Global Fluorosurfactants Average Price by Manufacturers (2015 and 2016)

Table Global Market Fluorosurfactants Average Price of Key Manufacturers (2015 and 2016)

2015 2016

DuPont

3M

?

Total

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Figure Global Market Fluorosurfactants Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Chemical Research Center, Dec. 2016

2.4 Manufacturers Fluorosurfactants Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Fluorosurfactants Manufacturing Base Distribution and Sales Area  
Manufacturing Base Distribution Sales Area

DuPont

3M

?

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Table Manufacturers Fluorosurfactants Product Types

Product Types

DuPont

3M

?

Source: Above companies; QYR Chemical Research Center, Dec. 2016

2.5 Fluorosurfactants Market Competitive Situation and Trends?

2.5.1 Fluorosurfactants Market Concentration Rate

2.5.2 Fluorosurfactants Market Share of Top 3 and Top 5 Manufacturers

Figure Fluorosurfactants Market Share of Top 3 Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016

Figure Fluorosurfactants Market Share of Top 5 Manufacturers

Source: Above companies; QYR Chemical Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global Fluorosurfactants Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Fluorosurfactants Capacity and Market Share by Regions (2011-2016)

## Table Global Fluorosurfactants Capacity by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

## Figure Global Fluorosurfactants Capacity Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

## Figure Global Fluorosurfactants Capacity Market Share by Regions (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

## Figure 2015 Global Fluorosurfactants Capacity Market Share by Regions

Source: QYR Chemical Research Center, Dec. 2016

## 3.2 Global Fluorosurfactants Production and Market Share by Regions (2011-2016)

## Table Global Fluorosurfactants Production by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Production and Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Production Market Share by Regions (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

Figure 2015 Global Fluorosurfactants Production Market Share by Regions

Source: QYR Chemical Research Center, Dec. 2016

3.3 Global Fluorosurfactants Revenue (Value) and Market Share by Regions  
(2011-2016)

Table Global Fluorosurfactants Revenue by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Table Global Fluorosurfactants Revenue Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Table 2015 Global Fluorosurfactants Revenue Market Share by Regions

Source: QYR Chemical Research Center, Dec. 2016

3.4 Global Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.5 North America Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.6 Europe Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.7 China Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.8 Japan Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.9 Taiwan Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin



(2011-2016)

Table Taiwan Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.10 India Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

3.11 Row Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Fluorosurfactants Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Chemical Research Center, Dec. 2016

4 Global Fluorosurfactants Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Fluorosurfactants Consumption by Regions (2011-2016)

Table Global Fluorosurfactants Consumption Market by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Table Global Fluorosurfactants Consumption Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Consumption Market Share by Regions (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

Figure 2015 Global Fluorosurfactants Consumption Market Share by Regions

Source: QYR Chemical Research Center, Dec. 2016

4.2 North America Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table North America Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.3 Europe Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.4 China Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table China Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.5 Japan Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table Japan Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.6 Taiwan Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.7 India Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table India Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

4.8 Row Fluorosurfactants Production, Consumption, Export, Import by Regions (2011-2016)

Table Row Fluorosurfactants Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Chemical Research Center, Dec. 2016

5 Global Fluorosurfactants Production, Revenue (Value), Price Trend by Types

5.1 Global Fluorosurfactants Production and Market Share by Types (2011-2016)

Table Global Fluorosurfactants Production by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

?

Total

Source: QYR Chemical Research Center, Dec. 2016

Table Global Fluorosurfactants Production Share by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

?

Total

Source: QYR Chemical Research Center, Dec. 2016

Figure Production Market Share of Fluorosurfactants by Types (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

Figure 2015 Production Market Share of Fluorosurfactants by Types

Source: QYR Chemical Research Center, Dec. 2016

## 5.2 Global Fluorosurfactants Revenue and Market Share by Types (2011-2016)

### Table Global Fluorosurfactants Revenue by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

?

Total

Source: QYR Chemical Research Center, Dec. 2016

### Table Global Fluorosurfactants Revenue Share by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

?

Total

Source: QYR Chemical Research Center, Dec. 2016

### Figure Production Revenue Share of Fluorosurfactants by Types (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

### Figure 2015 Revenue Market Share of Fluorosurfactants by Types

Source: QYR Chemical Research Center, Dec. 2016

## 5.3 Global Fluorosurfactants Price by Type (2011-2016)

### Table Global Fluorosurfactants Price by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Amphoteric Fluorosurfactants

Nonionic Fluorosurfactants

?

Total

Source: QYR Chemical Research Center, Dec. 2016

## 5.4 Global Fluorosurfactants Production Growth by Type (2011-2016)

### Figure Global Fluorosurfactants Production Growth by Type (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

## 6 Global Fluorosurfactants Market Analysis by Applications

### 6.1 Global Fluorosurfactants Consumption and Market Share by Applications (2011-2016)

#### Table Global Fluorosurfactants Consumption by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Paint & Coatings

Specialty Detergents

?

Total

Source: QYR Chemical Research Center, Dec. 2016

Table Global Fluorosurfactants Consumption Market Share by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Paint & Coatings

Specialty Detergents

?

Total

Source: QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Consumption Market Share by Applications in 2015

Source: QYR Chemical Research Center, Dec. 2016

6.2 Global Fluorosurfactants Consumption Growth Rate by Applications (2011-2016)

Table Global Fluorosurfactants Consumption Growth Rate by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Paint & Coatings

Specialty Detergents

?

Source: QYR Chemical Research Center, Dec. 2016

Figure Global Fluorosurfactants Consumption Growth Rate by Applications (2011-2016)

Source: QYR Chemical Research Center, Dec. 2016

6.3 Market Drivers and Opportunities

6.3.1 Potential Applications

6.3.2 Emerging Markets/Countries

7 Global Fluorosurfactants Manufacturers Profiles/Analysis

7.1 DuPont

7.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

Table DuPont Basic Information, Manufacturing Base, Sales Area and Its Comp

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