

## **Global Friction Modifier Market Research Report 2017**

https://marketpublishers.com/r/G3ED730F8A8EN.html

Date: January 2017

Pages: 127

Price: US\$ 2,900.00 (Single User License)

ID: G3ED730F8A8EN

## **Abstracts**

#### Notes:

Production, means the output of Friction Modifier

Revenue, means the sales value of Friction Modifier

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

Chemtura

Afton Chemicals

Multisol

Wynn's

Archoil

Whitmore

International Lubricants

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Friction Modifier in



these regions, from 2011 to 2021 (forecast), like
North America
Europe
China
Japan
Southeast Asia
India
Split by product type, with production, revenue, price, market share and growth rate of each type, can be divided into
Organic Friction Modifier
Inorganic Friction Modifier
Split by application, this report focuses on consumption, market share and growth rate of Friction Modifier in each application, can be divided into  Automotive  Aviation  Railway Transportation
Mechanical Equipment
Others



### **Contents**

Global Friction Modifier Market Research Report 2017

#### 1 FRICTION MODIFIER MARKET OVERVIEW

- 1.1 Product Overview and Scope of Friction Modifier
- 1.2 Friction Modifier Segment by Type
  - 1.2.1 Global Production Market Share of Friction Modifier by Type in 2015
  - 1.2.2 Organic Friction Modifier
- 1.2.3 Inorganic Friction Modifier
- 1.3 Friction Modifier Segment by Application
- 1.3.1 Friction Modifier Consumption Market Share by Application in 2015
- 1.3.2 Automotive
- 1.3.3 Aviation
- 1.3.4 Railway Transportation
- 1.3.5 Mechanical Equipment
- 1.3.6 Others
- 1.4 Friction Modifier Market by Region
- 1.4.1 North America Status and Prospect (2012-2022)
- 1.4.2 Europe Status and Prospect (2012-2022)
- 1.4.3 China Status and Prospect (2012-2022)
- 1.4.4 Japan Status and Prospect (2012-2022)
- 1.4.5 Southeast Asia Status and Prospect (2012-2022)
- 1.4.6 India Status and Prospect (2012-2022)
- 1.5 Global Market Size (Value) of Friction Modifier (2012-2022)

#### 2 GLOBAL FRICTION MODIFIER MARKET COMPETITION BY MANUFACTURERS

- 2.1 Global Friction Modifier Capacity, Production and Share by Manufacturers (2015 and 2016)
- 2.2 Global Friction Modifier Revenue and Share by Manufacturers (2015 and 2016)
- 2.3 Global Friction Modifier Average Price by Manufacturers (2015 and 2016)
- 2.4 Manufacturers Friction Modifier Manufacturing Base Distribution, Sales Area and Product Type
- 2.5 Friction Modifier Market Competitive Situation and Trends
  - 2.5.1 Friction Modifier Market Concentration Rate
  - 2.5.2 Friction Modifier Market Share of Top 3 and Top 5 Manufacturers
  - 2.5.3 Mergers & Acquisitions, Expansion



# 3 GLOBAL FRICTION MODIFIER CAPACITY, PRODUCTION, REVENUE (VALUE) BY REGION (2012-2017)

- 3.1 Global Friction Modifier Capacity and Market Share by Region (2012-2017)
- 3.2 Global Friction Modifier Production and Market Share by Region (2012-2017)
- 3.3 Global Friction Modifier Revenue (Value) and Market Share by Region (2012-2017)
- 3.4 Global Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.5 North America Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.6 Europe Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.7 China Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.8 Japan Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.9 Southeast Asia Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)
- 3.10 India Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

# 4 GLOBAL FRICTION MODIFIER SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2012-2017)

- 4.1 Global Friction Modifier Consumption by Regions (2012-2017)
- 4.2 North America Friction Modifier Production, Consumption, Export, Import (2012-2017)
- 4.3 Europe Friction Modifier Production, Consumption, Export, Import (2012-2017)
- 4.4 China Friction Modifier Production, Consumption, Export, Import (2012-2017)
- 4.5 Japan Friction Modifier Production, Consumption, Export, Import (2012-2017)
- 4.6 Southeast Asia Friction Modifier Production, Consumption, Export, Import (2012-2017)
- 4.7 India Friction Modifier Production, Consumption, Export, Import (2012-2017)

## 5 GLOBAL FRICTION MODIFIER PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE

5.1 Global Friction Modifier Production and Market Share by Type (2012-2017)



- 5.2 Global Friction Modifier Revenue and Market Share by Type (2012-2017)
- 5.3 Global Friction Modifier Price by Type (2012-2017)
- 5.4 Global Friction Modifier Production Growth by Type (2012-2017)

#### **6 GLOBAL FRICTION MODIFIER MARKET ANALYSIS BY APPLICATION**

- 6.1 Global Friction Modifier Consumption and Market Share by Application (2012-2017)
- 6.2 Global Friction Modifier Consumption Growth Rate by Application (2012-2017)
- 6.3 Market Drivers and Opportunities
  - 6.3.1 Potential Applications
  - 6.3.2 Emerging Markets/Countries

#### 7 GLOBAL FRICTION MODIFIER MANUFACTURERS PROFILES/ANALYSIS

- 7.1 Chemtura
  - 7.1.1 Company Basic Information, Manufacturing Base and Its Competitors
  - 7.1.2 Friction Modifier Product Type, Application and Specification
    - 7.1.2.1 Organic Friction Modifier
    - 7.1.2.2 Inorganic Friction Modifier
- 7.1.3 Chemtura Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.1.4 Main Business/Business Overview
- 7.2 Afton Chemicals
  - 7.2.1 Company Basic Information, Manufacturing Base and Its Competitors
  - 7.2.2 Friction Modifier Product Type, Application and Specification
    - 7.2.2.1 Organic Friction Modifier
    - 7.2.2.2 Inorganic Friction Modifier
- 7.2.3 Afton Chemicals Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.2.4 Main Business/Business Overview
- 7.3 Multisol
- 7.3.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.3.2 Friction Modifier Product Type, Application and Specification
  - 7.3.2.1 Organic Friction Modifier
  - 7.3.2.2 Inorganic Friction Modifier
- 7.3.3 Multisol Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.3.4 Main Business/Business Overview
- 7.4 Wynn's



- 7.4.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.4.2 Friction Modifier Product Type, Application and Specification
- 7.4.2.1 Organic Friction Modifier
- 7.4.2.2 Inorganic Friction Modifier
- 7.4.3 Wynn's Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.4.4 Main Business/Business Overview

#### 7.5 Archoil

- 7.5.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.5.2 Friction Modifier Product Type, Application and Specification
- 7.5.2.1 Organic Friction Modifier
- 7.5.2.2 Inorganic Friction Modifier
- 7.5.3 Archoil Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.5.4 Main Business/Business Overview

#### 7.6 Whitmore

- 7.6.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.6.2 Friction Modifier Product Type, Application and Specification
  - 7.6.2.1 Organic Friction Modifier
  - 7.6.2.2 Inorganic Friction Modifier
- 7.6.3 Whitmore Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.6.4 Main Business/Business Overview
- 7.7 International Lubricants
  - 7.7.1 Company Basic Information, Manufacturing Base and Its Competitors
  - 7.7.2 Friction Modifier Product Type, Application and Specification
    - 7.7.2.1 Organic Friction Modifier
    - 7.7.2.2 Inorganic Friction Modifier
- 7.7.3 International Lubricants Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.7.4 Main Business/Business Overview

#### 8 FRICTION MODIFIER MANUFACTURING COST ANALYSIS

- 8.1 Friction Modifier Key Raw Materials Analysis
  - 8.1.1 Key Raw Materials
  - 8.1.2 Price Trend of Key Raw Materials
  - 8.1.3 Key Suppliers of Raw Materials
  - 8.1.4 Market Concentration Rate of Raw Materials



- 8.2 Proportion of Manufacturing Cost Structure
  - 8.2.1 Raw Materials
  - 8.2.2 Labor Cost
  - 8.2.3 Manufacturing Expenses
- 8.3 Manufacturing Process Analysis of Friction Modifier

### 9 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 9.1 Friction Modifier Industrial Chain Analysis
- 9.2 Upstream Raw Materials Sourcing
- 9.3 Raw Materials Sources of Friction Modifier Major Manufacturers in 2015
- 9.4 Downstream Buyers

### 10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 10.1 Marketing Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
  - 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
  - 10.2.1 Pricing Strategy
  - 10.2.2 Brand Strategy
  - 10.2.3 Target Client
- 10.3 Distributors/Traders List

#### 11 MARKET EFFECT FACTORS ANALYSIS

- 11.1 Technology Progress/Risk
  - 11.1.1 Substitutes Threat
  - 11.1.2 Technology Progress in Related Industry
- 11.2 Consumer Needs/Customer Preference Change
- 11.3 Economic/Political Environmental Change

## 12 GLOBAL FRICTION MODIFIER MARKET FORECAST (2017-2022)

- 12.1 Global Friction Modifier Capacity, Production, Revenue Forecast (2017-2022)
- 12.1.1 Global Friction Modifier Capacity, Production and Growth Rate Forecast (2017-2022)
  - 12.1.2 Global Friction Modifier Revenue and Growth Rate Forecast (2017-2022)



- 12.1.3 Global Friction Modifier Price and Trend Forecast (2017-2022)
- 12.2 Global Friction Modifier Production, Consumption, Import and Export Forecast by Regions (2017-2022)
- 12.2.1 North America Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.2.2 Europe Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.2.3 China Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.2.4 Japan Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.2.5 Southeast Asia Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.2.6 India Friction Modifier Production, Revenue, Consumption, Export and Import Forecast (2017-2022)
- 12.3 Global Friction Modifier Production, Revenue and Price Forecast by Type (2017-2022)
- 12.4 Global Friction Modifier Consumption Forecast by Application (2017-2022)

#### 13 RESEARCH FINDINGS AND CONCLUSION

#### 14 APPENDIX

Methodology
Analyst Introduction
Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.



## **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Friction Modifier

Figure Global Production Market Share of Friction Modifier by Type in 2015

Figure Product Picture of Organic Friction Modifier

Table Major Manufacturers of Organic Friction Modifier

Figure Product Picture of Inorganic Friction Modifier

Table Major Manufacturers of Inorganic Friction Modifier

Table Friction Modifier Consumption Market Share by Application in 2015

Figure Automotive Examples

Figure Aviation Examples

Figure Railway Transportation Examples

Figure Mechanical Equipment Examples

Figure Others Examples

Figure North America Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure Europe Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure China Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure Japan Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure Southeast Asia Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure India Friction Modifier Revenue (Million USD) and Growth Rate (2012-2022)

Figure Global Friction Modifier Revenue (Million UDS) and Growth Rate (2012-2022)

Table Global Friction Modifier Capacity of Key Manufacturers (2015 and 2016)

Table Global Friction Modifier Capacity Market Share by Manufacturers (2015 and 2016)

Figure Global Friction Modifier Capacity of Key Manufacturers in 2015

Figure Global Friction Modifier Capacity of Key Manufacturers in 2016

Table Global Friction Modifier Production of Key Manufacturers (2015 and 2016)

Table Global Friction Modifier Production Share by Manufacturers (2015 and 2016)

Figure 2015 Friction Modifier Production Share by Manufacturers

Figure 2016 Friction Modifier Production Share by Manufacturers

Table Global Friction Modifier Revenue (Million USD) by Manufacturers (2015 and 2016)

Table Global Friction Modifier Revenue Share by Manufacturers (2015 and 2016)

Table 2015 Global Friction Modifier Revenue Share by Manufacturers

Table 2016 Global Friction Modifier Revenue Share by Manufacturers



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

Figure Global Market Friction Modifier Average Price of Key Manufacturers in 2015

Table Manufacturers Friction Modifier Manufacturing Base Distribution and Sales Area

Table Manufacturers Friction Modifier Product Type

Figure Friction Modifier Market Share of Top 3 Manufacturers

Figure Friction Modifier Market Share of Top 5 Manufacturers

Table Global Friction Modifier Capacity by Regions (2012-2017)

Figure Global Friction Modifier Capacity Market Share by Regions (2012-2017)

Figure Global Friction Modifier Capacity Market Share by Regions (2012-2017)

Figure 2015 Global Friction Modifier Capacity Market Share by Regions

Table Global Friction Modifier Production by Regions (2012-2017)

Figure Global Friction Modifier Production and Market Share by Regions (2012-2017)

Figure Global Friction Modifier Production Market Share by Regions (2012-2017)

Figure 2015 Global Friction Modifier Production Market Share by Regions

Table Global Friction Modifier Revenue by Regions (2012-2017)

Table Global Friction Modifier Revenue Market Share by Regions (2012-2017)

Table 2015 Global Friction Modifier Revenue Market Share by Regions

Table Global Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table North America Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table Europe Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table China Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table Japan Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table Southeast Asia Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table India Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2012-2017)

Table Global Friction Modifier Consumption Market by Regions (2012-2017)

Table Global Friction Modifier Consumption Market Share by Regions (2012-2017)

Figure Global Friction Modifier Consumption Market Share by Regions (2012-2017)

Figure 2015 Global Friction Modifier Consumption Market Share by Regions

Table North America Friction Modifier Production, Consumption, Import & Export (2012-2017)

Table Europe Friction Modifier Production, Consumption, Import & Export (2012-2017)



Table China Friction Modifier Production, Consumption, Import & Export (2012-2017)

Table Japan Friction Modifier Production, Consumption, Import & Export (2012-2017)

Table Southeast Asia Friction Modifier Production, Consumption, Import & Export (2012-2017)

Table India Friction Modifier Production, Consumption, Import & Export (2012-2017)

Table Global Friction Modifier Production by Type (2012-2017)

Table Global Friction Modifier Production Share by Type (2012-2017)

Figure Production Market Share of Friction Modifier by Type (2012-2017)

Figure 2015 Production Market Share of Friction Modifier by Type

Table Global Friction Modifier Revenue by Type (2012-2017)

Table Global Friction Modifier Revenue Share by Type (2012-2017)

Figure Production Revenue Share of Friction Modifier by Type (2012-2017)

Figure 2015 Revenue Market Share of Friction Modifier by Type

Table Global Friction Modifier Price by Type (2012-2017)

Figure Global Friction Modifier Production Growth by Type (2012-2017)

Table Global Friction Modifier Consumption by Application (2012-2017)

Table Global Friction Modifier Consumption Market Share by Application (2012-2017)

Figure Global Friction Modifier Consumption Market Share by Application in 2015

Table Global Friction Modifier Consumption Growth Rate by Application (2012-2017)

Figure Global Friction Modifier Consumption Growth Rate by Application (2012-2017)

Table Chemtura Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Chemtura Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Chemtura Friction Modifier Market Share (2015 and 2016)

Table Afton Chemicals Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Afton Chemicals Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Afton Chemicals Friction Modifier Market Share (2015 and 2016)

Table Multisol Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Multisol Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Multisol Friction Modifier Market Share (2015 and 2016)

Table Wynn's Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Wynn's Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Wynn's Friction Modifier Market Share (2015 and 2016)

Table Archoil Basic Information, Manufacturing Base, Sales Area and Its Competitors



Table Archoil Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Archoil Friction Modifier Market Share (2015 and 2016)

Table Whitmore Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Whitmore Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure Whitmore Friction Modifier Market Share (2015 and 2016)

Table International Lubricants Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table International Lubricants Friction Modifier Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure International Lubricants Friction Modifier Market Share (2015 and 2016)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Friction Modifier

Figure Manufacturing Process Analysis of Friction Modifier

Figure Friction Modifier Industrial Chain Analysis

Table Raw Materials Sources of Friction Modifier Major Manufacturers in 2015

Table Major Buyers of Friction Modifier

Table Distributors/Traders List

Figure Global Friction Modifier Capacity, Production and Growth Rate Forecast (2017-2022)

Figure Global Friction Modifier Revenue and Growth Rate Forecast (2017-2022)

Figure Global Friction Modifier Price and Trend Forecast (2017-2022)

Table Global Friction Modifier Production Forecast by Regions (2017-2022)

Table Global Friction Modifier Consumption Forecast by Regions (2017-2022)

Figure North America Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table North America Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)

Figure Europe Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table Europe Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)

Figure China Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table China Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)



Figure Japan Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table Japan Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)

Figure Southeast Asia Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table Southeast Asia Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)

Figure India Friction Modifier Production, Revenue and Growth Rate Forecast (2017-2022)

Table India Friction Modifier Production, Consumption, Export and Import Forecast (2017-2022)

Table Global Friction Modifier Production Forecast by Type (2017-2022)

Table Global Friction Modifier Revenue Forecast by Type (2017-2022)

Table Global Friction Modifier Price Forecast by Type (2017-2022)

Table Global Friction Modifier Consumption Forecast by Application (2017-2022)



#### I would like to order

Product name: Global Friction Modifier Market Research Report 2017
Product link: <a href="https://marketpublishers.com/r/G3ED730F8A8EN.html">https://marketpublishers.com/r/G3ED730F8A8EN.html</a>

Price: US\$ 2,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

## **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G3ED730F8A8EN.html">https://marketpublishers.com/r/G3ED730F8A8EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970