

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Metal Working Fluids (Metalworking Fluids) Market 2018, Forecast to 2023

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## Abstracts

Metalworking fluids (MWFs) are used to reduce heat and friction and to remove metal particles in industrial machining and grinding operations. There are numerous formulations, ranging from straight oils (such as petroleum oils) to water-based fluids, which include soluble oils and semisynthetic/synthetic fluids. MWFs may be complex mixtures of oils, emulsifiers, anti-weld agents, corrosion inhibitors, extreme pressure additives, buffers (alkaline reserve), biocides, and other additives.

### Scope of the Report:

This report focuses on the Metal Working Fluids (Metalworking Fluids) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The United States average price of metal working fluids is in the decreasing trend, from 3000.1 USD/ MT in 2012 to 3398.2 USD/MT in 2016. With the situation of global economy, prices will be in decreasing trend in the following five years.

The classification of metal working fluids includes metal removal fluids, metal treating fluids, metal forming fluids and metal protecting fluids. The proportion of removal fluids in 2016 is about 50.20%, and the proportion of metal treating fluids in 2019 is about 29.96%.

Metal working fluids are application in automotive, general and other industry. The most proportion of metal working fluids is used in general industry stood at 51.21% in 2016, compare to 34.81% in automotive industry.

The worldwide market for Metal Working Fluids (Metalworking Fluids) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in

2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Houghton

Quaker

BP

Fuchs

Exxonmobil

Metalworking Lubricants

Chevron

Henkel

Milacron

Chemtool

Yushiro

Master Chemical

Blaser

Dow

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Metal Removal Fluids

Metal Forming Fluids

Metal Protecting Fluids

Metal Treating Fluids

Market Segment by Applications, can be divided into

Automotive

General Industry

Other

There are 15 Chapters to deeply display the global Metal Working Fluids (Metalworking Fluids) market.

Chapter 1, to describe Metal Working Fluids (Metalworking Fluids) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Metal Working Fluids (Metalworking Fluids), with sales, revenue, and price of Metal Working Fluids (Metalworking Fluids), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share

of Metal Working Fluids (Metalworking Fluids), for each region, from 2013 to 2018;  
Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Metal Working Fluids (Metalworking Fluids) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Metal Working Fluids (Metalworking Fluids) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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