

# Global Water-based Metalworking Fluid Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G4BDF688EF9CEN.html>

Date: November 2025

Pages: 146

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

ID: G4BDF688EF9CEN

## Abstracts

According to our (Global Info Research) latest study, the global Water-based Metalworking Fluid market size was valued at US\$ 5213 million in 2024 and is forecast to a readjusted size of USD 6628 million by 2031 with a CAGR of 3.8% 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.

Water-based metalworking fluid—also known as emulsifiable metalworking oil—is a type of coolant-lubricant concentrate that is diluted with water for use in machining operations. It provides both cooling (from the water) and lubrication (from the oil), making it ideal for reducing friction and heat in metal cutting, drilling, milling, grinding, and other processes.

### 1. Multifunctionality

The application scope of metalworking fluids covers a variety of processing methods such as rolling, drawing, extrusion, forging and cutting. Its wide application field and complex use environment characteristics determine that metalworking fluids must have multifunctional characteristics. At present, metalworking processes have put forward more urgent demands for metalworking fluids with wider adaptability. For example, in cutting processing, a cutting fluid that can be used for boring, drilling, cutting and other processing processes is needed; when hot rolling high-speed rails, it is hoped that the rolling oil can have comprehensive properties such as rolling, lubrication, corrosion

inhibition and rust prevention; in the heat treatment process of metal parts, the heat treatment medium is required to have adaptability to different materials, different quenching temperatures and times.

## 2. Green and environmental protection

Due to the large amount of metalworking (oil) fluids used and their wide dispersion, coupled with insufficient awareness of their harmfulness, most metalworking fluids were directly discharged in the past. In addition, the difficult-to-biodegrade surfactants and harmful sulfur, phosphorus, chlorine and other complexes and inorganic salts contained in metalworking fluids will also cause irreversible damage to the environment. With the increasing global attention to environmental protection, the development of metalworking fluids tends to be more environmentally friendly. Including reducing the use of volatile organic compounds and harmful chemicals, using biodegradable ingredients, and more effective waste liquid treatment methods. At present, China's requirements for biodegradability, ecotoxicity, waste emissions and other indicators of metalworking (oil) fluids are becoming increasingly stringent. Therefore, it is imperative to develop green and environmentally friendly metalworking (oil) fluids.

## 3. Water-based processing fluids

Metalworking fluids can be divided into two categories: oil-based and water-based according to their composition. Oil-based metalworking lubricants, although they have good lubricity and rust prevention, are easy to volatilize at high temperatures to produce a large amount of oil mist, which not only pollutes the environment, but also harms human health; water-based metalworking lubricants have excellent cooling performance, are not easy to ignite, are safe and reliable, and have abundant water sources, are non-toxic and odorless, are environmentally friendly, and are easily biodegradable. With the enhancement of people's awareness of environmental protection, the call for clean production in the metalworking process is getting louder and louder, and the application of water-based metalworking lubricants will increase.

This report is a detailed and comprehensive analysis for global Water-based Metalworking Fluid 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 Water-based Metalworking Fluid market size and forecasts, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Water-based Metalworking Fluid market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Water-based Metalworking Fluid market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Water-based Metalworking Fluid market shares of main players, shipments in revenue (\$ Million), sales quantity (K MT), and ASP (USD/MT), 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 Water-based Metalworking Fluid
- 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 Water-based Metalworking Fluid 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 Quaker Houghton, Fuchs, Exxon Mobil, BP Castrol, Henkel, Yushiro Chemical, Idemitsu Kosan, Blaser Swisslube, TotalEnergies, Tectylasia, etc.

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

**Market Segmentation**

Water-based Metalworking Fluid 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**

Metal Removal Fluids

Metal Forming Fluids

Metal Protecting Fluids

Metal Treating Fluids

### **Market segment by Application**

Machinery

Automotive

Others

### **Major players covered**

Quaker Houghton

Fuchs

Exxon Mobil

BP Castrol

Henkel

Yushiro Chemical

Idemitsu Kosan

Blaser Swissslube

TotalEnergies

Tectylasia

Cimcool Industrial Products

Petrofer

Master Fluid Solutions

LUKOIL

SINOPEC

Chervon

ENEOS

Talent

Chemetall

Cosmo Oil Lubricants

Ashburn Chemical Technologies

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:**

*Global Water-based Metalworking Fluid Market 2025 by Manufacturers, Regions, Type and Application, Forecast to...*

Chapter 1, to describe Water-based Metalworking Fluid product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Water-based Metalworking Fluid, with price, sales quantity, revenue, and global market share of Water-based Metalworking Fluid from 2020 to 2025.

Chapter 3, the Water-based Metalworking Fluid competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Water-based Metalworking Fluid 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 Water-based Metalworking Fluid 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 Water-based Metalworking Fluid.

Chapter 14 and 15, to describe Water-based Metalworking Fluid sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Water-based Metalworking Fluid Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Metal Removal Fluids

1.3.3 Metal Forming Fluids

1.3.4 Metal Protecting Fluids

1.3.5 Metal Treating Fluids

1.4 Market Analysis by Application

1.4.1 Overview: Global Water-based Metalworking Fluid Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Machinery

1.4.3 Automotive

1.4.4 Others

1.5 Global Water-based Metalworking Fluid Market Size & Forecast

1.5.1 Global Water-based Metalworking Fluid Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Water-based Metalworking Fluid Sales Quantity (2020-2031)

1.5.3 Global Water-based Metalworking Fluid Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 Quaker Houghton

2.1.1 Quaker Houghton Details

2.1.2 Quaker Houghton Major Business

2.1.3 Quaker Houghton Water-based Metalworking Fluid Product and Services

2.1.4 Quaker Houghton Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Quaker Houghton Recent Developments/Updates

2.2 Fuchs

2.2.1 Fuchs Details

2.2.2 Fuchs Major Business

2.2.3 Fuchs Water-based Metalworking Fluid Product and Services

2.2.4 Fuchs Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue,

## Gross Margin and Market Share (2020-2025)

### 2.2.5 Fuchs Recent Developments/Updates

## 2.3 Exxon Mobil

### 2.3.1 Exxon Mobil Details

### 2.3.2 Exxon Mobil Major Business

### 2.3.3 Exxon Mobil Water-based Metalworking Fluid Product and Services

### 2.3.4 Exxon Mobil Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.3.5 Exxon Mobil Recent Developments/Updates

## 2.4 BP Castrol

### 2.4.1 BP Castrol Details

### 2.4.2 BP Castrol Major Business

### 2.4.3 BP Castrol Water-based Metalworking Fluid Product and Services

### 2.4.4 BP Castrol Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.4.5 BP Castrol Recent Developments/Updates

## 2.5 Henkel

### 2.5.1 Henkel Details

### 2.5.2 Henkel Major Business

### 2.5.3 Henkel Water-based Metalworking Fluid Product and Services

### 2.5.4 Henkel Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.5.5 Henkel Recent Developments/Updates

## 2.6 Yushiro Chemical

### 2.6.1 Yushiro Chemical Details

### 2.6.2 Yushiro Chemical Major Business

### 2.6.3 Yushiro Chemical Water-based Metalworking Fluid Product and Services

### 2.6.4 Yushiro Chemical Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.6.5 Yushiro Chemical Recent Developments/Updates

## 2.7 Idemitsu Kosan

### 2.7.1 Idemitsu Kosan Details

### 2.7.2 Idemitsu Kosan Major Business

### 2.7.3 Idemitsu Kosan Water-based Metalworking Fluid Product and Services

### 2.7.4 Idemitsu Kosan Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.7.5 Idemitsu Kosan Recent Developments/Updates

## 2.8 Blaser Swisslube

### 2.8.1 Blaser Swisslube Details

- 2.8.2 Blaser Swissslube Major Business
- 2.8.3 Blaser Swissslube Water-based Metalworking Fluid Product and Services
- 2.8.4 Blaser Swissslube Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Blaser Swissslube Recent Developments/Updates
- 2.9 TotalEnergies
  - 2.9.1 TotalEnergies Details
  - 2.9.2 TotalEnergies Major Business
  - 2.9.3 TotalEnergies Water-based Metalworking Fluid Product and Services
  - 2.9.4 TotalEnergies Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.9.5 TotalEnergies Recent Developments/Updates
- 2.10 Tectylasia
  - 2.10.1 Tectylasia Details
  - 2.10.2 Tectylasia Major Business
  - 2.10.3 Tectylasia Water-based Metalworking Fluid Product and Services
  - 2.10.4 Tectylasia Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.10.5 Tectylasia Recent Developments/Updates
- 2.11 Cimcool Industrial Products
  - 2.11.1 Cimcool Industrial Products Details
  - 2.11.2 Cimcool Industrial Products Major Business
  - 2.11.3 Cimcool Industrial Products Water-based Metalworking Fluid Product and Services
  - 2.11.4 Cimcool Industrial Products Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.11.5 Cimcool Industrial Products Recent Developments/Updates
- 2.12 Petrofer
  - 2.12.1 Petrofer Details
  - 2.12.2 Petrofer Major Business
  - 2.12.3 Petrofer Water-based Metalworking Fluid Product and Services
  - 2.12.4 Petrofer Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.12.5 Petrofer Recent Developments/Updates
- 2.13 Master Fluid Solutions
  - 2.13.1 Master Fluid Solutions Details
  - 2.13.2 Master Fluid Solutions Major Business
  - 2.13.3 Master Fluid Solutions Water-based Metalworking Fluid Product and Services
  - 2.13.4 Master Fluid Solutions Water-based Metalworking Fluid Sales Quantity,

## Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.13.5 Master Fluid Solutions Recent Developments/Updates

## 2.14 LUKOIL

### 2.14.1 LUKOIL Details

### 2.14.2 LUKOIL Major Business

### 2.14.3 LUKOIL Water-based Metalworking Fluid Product and Services

### 2.14.4 LUKOIL Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.14.5 LUKOIL Recent Developments/Updates

## 2.15 SINOPEC

### 2.15.1 SINOPEC Details

### 2.15.2 SINOPEC Major Business

### 2.15.3 SINOPEC Water-based Metalworking Fluid Product and Services

### 2.15.4 SINOPEC Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.15.5 SINOPEC Recent Developments/Updates

## 2.16 Chervon

### 2.16.1 Chervon Details

### 2.16.2 Chervon Major Business

### 2.16.3 Chervon Water-based Metalworking Fluid Product and Services

### 2.16.4 Chervon Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.16.5 Chervon Recent Developments/Updates

## 2.17 ENEOS

### 2.17.1 ENEOS Details

### 2.17.2 ENEOS Major Business

### 2.17.3 ENEOS Water-based Metalworking Fluid Product and Services

### 2.17.4 ENEOS Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.17.5 ENEOS Recent Developments/Updates

## 2.18 Talent

### 2.18.1 Talent Details

### 2.18.2 Talent Major Business

### 2.18.3 Talent Water-based Metalworking Fluid Product and Services

### 2.18.4 Talent Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

### 2.18.5 Talent Recent Developments/Updates

## 2.19 Chemetall

### 2.19.1 Chemetall Details

- 2.19.2 Chemetall Major Business
- 2.19.3 Chemetall Water-based Metalworking Fluid Product and Services
- 2.19.4 Chemetall Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.19.5 Chemetall Recent Developments/Updates
- 2.20 Cosmo Oil Lubricants
  - 2.20.1 Cosmo Oil Lubricants Details
  - 2.20.2 Cosmo Oil Lubricants Major Business
  - 2.20.3 Cosmo Oil Lubricants Water-based Metalworking Fluid Product and Services
  - 2.20.4 Cosmo Oil Lubricants Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.20.5 Cosmo Oil Lubricants Recent Developments/Updates
- 2.21 Ashburn Chemical Technologies
  - 2.21.1 Ashburn Chemical Technologies Details
  - 2.21.2 Ashburn Chemical Technologies Major Business
  - 2.21.3 Ashburn Chemical Technologies Water-based Metalworking Fluid Product and Services
  - 2.21.4 Ashburn Chemical Technologies Water-based Metalworking Fluid Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.21.5 Ashburn Chemical Technologies Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: WATER-BASED METALWORKING FLUID BY MANUFACTURER**

- 3.1 Global Water-based Metalworking Fluid Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Water-based Metalworking Fluid Revenue by Manufacturer (2020-2025)
- 3.3 Global Water-based Metalworking Fluid Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
  - 3.4.1 Producer Shipments of Water-based Metalworking Fluid by Manufacturer Revenue (\$MM) and Market Share (%): 2024
  - 3.4.2 Top 3 Water-based Metalworking Fluid Manufacturer Market Share in 2024
  - 3.4.3 Top 6 Water-based Metalworking Fluid Manufacturer Market Share in 2024
- 3.5 Water-based Metalworking Fluid Market: Overall Company Footprint Analysis
  - 3.5.1 Water-based Metalworking Fluid Market: Region Footprint
  - 3.5.2 Water-based Metalworking Fluid Market: Company Product Type Footprint
  - 3.5.3 Water-based Metalworking Fluid Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

### 4.1 Global Water-based Metalworking Fluid Market Size by Region

4.1.1 Global Water-based Metalworking Fluid Sales Quantity by Region (2020-2031)

4.1.2 Global Water-based Metalworking Fluid Consumption Value by Region (2020-2031)

4.1.3 Global Water-based Metalworking Fluid Average Price by Region (2020-2031)

4.2 North America Water-based Metalworking Fluid Consumption Value (2020-2031)

4.3 Europe Water-based Metalworking Fluid Consumption Value (2020-2031)

4.4 Asia-Pacific Water-based Metalworking Fluid Consumption Value (2020-2031)

4.5 South America Water-based Metalworking Fluid Consumption Value (2020-2031)

4.6 Middle East & Africa Water-based Metalworking Fluid Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)

5.2 Global Water-based Metalworking Fluid Consumption Value by Type (2020-2031)

5.3 Global Water-based Metalworking Fluid Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)

6.2 Global Water-based Metalworking Fluid Consumption Value by Application (2020-2031)

6.3 Global Water-based Metalworking Fluid Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

7.1 North America Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)

7.2 North America Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)

7.3 North America Water-based Metalworking Fluid Market Size by Country

7.3.1 North America Water-based Metalworking Fluid Sales Quantity by Country (2020-2031)

7.3.2 North America Water-based Metalworking Fluid Consumption Value by Country (2020-2031)

- 7.3.3 United States Market Size and Forecast (2020-2031)
- 7.3.4 Canada Market Size and Forecast (2020-2031)
- 7.3.5 Mexico Market Size and Forecast (2020-2031)

## **8 EUROPE**

- 8.1 Europe Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)
- 8.2 Europe Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)
- 8.3 Europe Water-based Metalworking Fluid Market Size by Country
  - 8.3.1 Europe Water-based Metalworking Fluid Sales Quantity by Country (2020-2031)
  - 8.3.2 Europe Water-based Metalworking Fluid Consumption Value by Country (2020-2031)
  - 8.3.3 Germany Market Size and Forecast (2020-2031)
  - 8.3.4 France Market Size and Forecast (2020-2031)
  - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
  - 8.3.6 Russia Market Size and Forecast (2020-2031)
  - 8.3.7 Italy Market Size and Forecast (2020-2031)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Water-based Metalworking Fluid Market Size by Region
  - 9.3.1 Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Region (2020-2031)
  - 9.3.2 Asia-Pacific Water-based Metalworking Fluid Consumption Value by Region (2020-2031)
  - 9.3.3 China Market Size and Forecast (2020-2031)
  - 9.3.4 Japan Market Size and Forecast (2020-2031)
  - 9.3.5 South Korea Market Size and Forecast (2020-2031)
  - 9.3.6 India Market Size and Forecast (2020-2031)
  - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
  - 9.3.8 Australia Market Size and Forecast (2020-2031)

## **10 SOUTH AMERICA**

- 10.1 South America Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)

10.2 South America Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)

10.3 South America Water-based Metalworking Fluid Market Size by Country

10.3.1 South America Water-based Metalworking Fluid Sales Quantity by Country (2020-2031)

10.3.2 South America Water-based Metalworking Fluid Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Water-based Metalworking Fluid Market Size by Country

11.3.1 Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Water-based Metalworking Fluid Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

## **12 MARKET DYNAMICS**

12.1 Water-based Metalworking Fluid Market Drivers

12.2 Water-based Metalworking Fluid Market Restraints

12.3 Water-based Metalworking Fluid Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Water-based Metalworking Fluid and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Water-based Metalworking Fluid
- 13.3 Water-based Metalworking Fluid Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Water-based Metalworking Fluid Typical Distributors
- 14.3 Water-based Metalworking Fluid Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Water-based Metalworking Fluid Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Water-based Metalworking Fluid Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Quaker Houghton Basic Information, Manufacturing Base and Competitors

Table 4. Quaker Houghton Major Business

Table 5. Quaker Houghton Water-based Metalworking Fluid Product and Services

Table 6. Quaker Houghton Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Quaker Houghton Recent Developments/Updates

Table 8. Fuchs Basic Information, Manufacturing Base and Competitors

Table 9. Fuchs Major Business

Table 10. Fuchs Water-based Metalworking Fluid Product and Services

Table 11. Fuchs Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Fuchs Recent Developments/Updates

Table 13. Exxon Mobil Basic Information, Manufacturing Base and Competitors

Table 14. Exxon Mobil Major Business

Table 15. Exxon Mobil Water-based Metalworking Fluid Product and Services

Table 16. Exxon Mobil Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Exxon Mobil Recent Developments/Updates

Table 18. BP Castrol Basic Information, Manufacturing Base and Competitors

Table 19. BP Castrol Major Business

Table 20. BP Castrol Water-based Metalworking Fluid Product and Services

Table 21. BP Castrol Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. BP Castrol Recent Developments/Updates

Table 23. Henkel Basic Information, Manufacturing Base and Competitors

Table 24. Henkel Major Business

Table 25. Henkel Water-based Metalworking Fluid Product and Services

Table 26. Henkel Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Henkel Recent Developments/Updates

Table 28. Yushiro Chemical Basic Information, Manufacturing Base and Competitors

Table 29. Yushiro Chemical Major Business

Table 30. Yushiro Chemical Water-based Metalworking Fluid Product and Services

Table 31. Yushiro Chemical Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Yushiro Chemical Recent Developments/Updates

Table 33. Idemitsu Kosan Basic Information, Manufacturing Base and Competitors

Table 34. Idemitsu Kosan Major Business

Table 35. Idemitsu Kosan Water-based Metalworking Fluid Product and Services

Table 36. Idemitsu Kosan Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Idemitsu Kosan Recent Developments/Updates

Table 38. Blaser Swissslube Basic Information, Manufacturing Base and Competitors

Table 39. Blaser Swissslube Major Business

Table 40. Blaser Swissslube Water-based Metalworking Fluid Product and Services

Table 41. Blaser Swissslube Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Blaser Swissslube Recent Developments/Updates

Table 43. TotalEnergies Basic Information, Manufacturing Base and Competitors

Table 44. TotalEnergies Major Business

Table 45. TotalEnergies Water-based Metalworking Fluid Product and Services

Table 46. TotalEnergies Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. TotalEnergies Recent Developments/Updates

Table 48. Tectylasia Basic Information, Manufacturing Base and Competitors

Table 49. Tectylasia Major Business

Table 50. Tectylasia Water-based Metalworking Fluid Product and Services

Table 51. Tectylasia Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Tectylasia Recent Developments/Updates

Table 53. Cimcool Industrial Products Basic Information, Manufacturing Base and Competitors

Table 54. Cimcool Industrial Products Major Business

Table 55. Cimcool Industrial Products Water-based Metalworking Fluid Product and Services

Table 56. Cimcool Industrial Products Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Cimcool Industrial Products Recent Developments/Updates

Table 58. Petrofer Basic Information, Manufacturing Base and Competitors

Table 59. Petrofer Major Business

Table 60. Petrofer Water-based Metalworking Fluid Product and Services

Table 61. Petrofer Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Petrofer Recent Developments/Updates

Table 63. Master Fluid Solutions Basic Information, Manufacturing Base and Competitors

Table 64. Master Fluid Solutions Major Business

Table 65. Master Fluid Solutions Water-based Metalworking Fluid Product and Services

Table 66. Master Fluid Solutions Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Master Fluid Solutions Recent Developments/Updates

Table 68. LUKOIL Basic Information, Manufacturing Base and Competitors

Table 69. LUKOIL Major Business

Table 70. LUKOIL Water-based Metalworking Fluid Product and Services

Table 71. LUKOIL Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. LUKOIL Recent Developments/Updates

Table 73. SINOPEC Basic Information, Manufacturing Base and Competitors

Table 74. SINOPEC Major Business

Table 75. SINOPEC Water-based Metalworking Fluid Product and Services

Table 76. SINOPEC Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. SINOPEC Recent Developments/Updates

Table 78. Chervon Basic Information, Manufacturing Base and Competitors

Table 79. Chervon Major Business

Table 80. Chervon Water-based Metalworking Fluid Product and Services

Table 81. Chervon Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Chervon Recent Developments/Updates

Table 83. ENEOS Basic Information, Manufacturing Base and Competitors

Table 84. ENEOS Major Business

Table 85. ENEOS Water-based Metalworking Fluid Product and Services

- Table 86. ENEOS Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 87. ENEOS Recent Developments/Updates
- Table 88. Talent Basic Information, Manufacturing Base and Competitors
- Table 89. Talent Major Business
- Table 90. Talent Water-based Metalworking Fluid Product and Services
- Table 91. Talent Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 92. Talent Recent Developments/Updates
- Table 93. Chemetall Basic Information, Manufacturing Base and Competitors
- Table 94. Chemetall Major Business
- Table 95. Chemetall Water-based Metalworking Fluid Product and Services
- Table 96. Chemetall Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 97. Chemetall Recent Developments/Updates
- Table 98. Cosmo Oil Lubricants Basic Information, Manufacturing Base and Competitors
- Table 99. Cosmo Oil Lubricants Major Business
- Table 100. Cosmo Oil Lubricants Water-based Metalworking Fluid Product and Services
- Table 101. Cosmo Oil Lubricants Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 102. Cosmo Oil Lubricants Recent Developments/Updates
- Table 103. Ashburn Chemical Technologies Basic Information, Manufacturing Base and Competitors
- Table 104. Ashburn Chemical Technologies Major Business
- Table 105. Ashburn Chemical Technologies Water-based Metalworking Fluid Product and Services
- Table 106. Ashburn Chemical Technologies Water-based Metalworking Fluid Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 107. Ashburn Chemical Technologies Recent Developments/Updates
- Table 108. Global Water-based Metalworking Fluid Sales Quantity by Manufacturer (2020-2025) & (K MT)
- Table 109. Global Water-based Metalworking Fluid Revenue by Manufacturer (2020-2025) & (USD Million)
- Table 110. Global Water-based Metalworking Fluid Average Price by Manufacturer (2020-2025) & (USD/MT)
- Table 111. Market Position of Manufacturers in Water-based Metalworking Fluid, (Tier

1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 112. Head Office and Water-based Metalworking Fluid Production Site of Key Manufacturer

Table 113. Water-based Metalworking Fluid Market: Company Product Type Footprint

Table 114. Water-based Metalworking Fluid Market: Company Product Application Footprint

Table 115. Water-based Metalworking Fluid New Market Entrants and Barriers to Market Entry

Table 116. Water-based Metalworking Fluid Mergers, Acquisition, Agreements, and Collaborations

Table 117. Global Water-based Metalworking Fluid Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 118. Global Water-based Metalworking Fluid Sales Quantity by Region (2020-2025) & (K MT)

Table 119. Global Water-based Metalworking Fluid Sales Quantity by Region (2026-2031) & (K MT)

Table 120. Global Water-based Metalworking Fluid Consumption Value by Region (2020-2025) & (USD Million)

Table 121. Global Water-based Metalworking Fluid Consumption Value by Region (2026-2031) & (USD Million)

Table 122. Global Water-based Metalworking Fluid Average Price by Region (2020-2025) & (USD/MT)

Table 123. Global Water-based Metalworking Fluid Average Price by Region (2026-2031) & (USD/MT)

Table 124. Global Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 125. Global Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 126. Global Water-based Metalworking Fluid Consumption Value by Type (2020-2025) & (USD Million)

Table 127. Global Water-based Metalworking Fluid Consumption Value by Type (2026-2031) & (USD Million)

Table 128. Global Water-based Metalworking Fluid Average Price by Type (2020-2025) & (USD/MT)

Table 129. Global Water-based Metalworking Fluid Average Price by Type (2026-2031) & (USD/MT)

Table 130. Global Water-based Metalworking Fluid Sales Quantity by Application (2020-2025) & (K MT)

Table 131. Global Water-based Metalworking Fluid Sales Quantity by Application

(2026-2031) & (K MT)

Table 132. Global Water-based Metalworking Fluid Consumption Value by Application (2020-2025) & (USD Million)

Table 133. Global Water-based Metalworking Fluid Consumption Value by Application (2026-2031) & (USD Million)

Table 134. Global Water-based Metalworking Fluid Average Price by Application (2020-2025) & (USD/MT)

Table 135. Global Water-based Metalworking Fluid Average Price by Application (2026-2031) & (USD/MT)

Table 136. North America Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 137. North America Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 138. North America Water-based Metalworking Fluid Sales Quantity by Application (2020-2025) & (K MT)

Table 139. North America Water-based Metalworking Fluid Sales Quantity by Application (2026-2031) & (K MT)

Table 140. North America Water-based Metalworking Fluid Sales Quantity by Country (2020-2025) & (K MT)

Table 141. North America Water-based Metalworking Fluid Sales Quantity by Country (2026-2031) & (K MT)

Table 142. North America Water-based Metalworking Fluid Consumption Value by Country (2020-2025) & (USD Million)

Table 143. North America Water-based Metalworking Fluid Consumption Value by Country (2026-2031) & (USD Million)

Table 144. Europe Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 145. Europe Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 146. Europe Water-based Metalworking Fluid Sales Quantity by Application (2020-2025) & (K MT)

Table 147. Europe Water-based Metalworking Fluid Sales Quantity by Application (2026-2031) & (K MT)

Table 148. Europe Water-based Metalworking Fluid Sales Quantity by Country (2020-2025) & (K MT)

Table 149. Europe Water-based Metalworking Fluid Sales Quantity by Country (2026-2031) & (K MT)

Table 150. Europe Water-based Metalworking Fluid Consumption Value by Country (2020-2025) & (USD Million)

Table 151. Europe Water-based Metalworking Fluid Consumption Value by Country (2026-2031) & (USD Million)

Table 152. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 153. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 154. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Application (2020-2025) & (K MT)

Table 155. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Application (2026-2031) & (K MT)

Table 156. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Region (2020-2025) & (K MT)

Table 157. Asia-Pacific Water-based Metalworking Fluid Sales Quantity by Region (2026-2031) & (K MT)

Table 158. Asia-Pacific Water-based Metalworking Fluid Consumption Value by Region (2020-2025) & (USD Million)

Table 159. Asia-Pacific Water-based Metalworking Fluid Consumption Value by Region (2026-2031) & (USD Million)

Table 160. South America Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 161. South America Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 162. South America Water-based Metalworking Fluid Sales Quantity by Application (2020-2025) & (K MT)

Table 163. South America Water-based Metalworking Fluid Sales Quantity by Application (2026-2031) & (K MT)

Table 164. South America Water-based Metalworking Fluid Sales Quantity by Country (2020-2025) & (K MT)

Table 165. South America Water-based Metalworking Fluid Sales Quantity by Country (2026-2031) & (K MT)

Table 166. South America Water-based Metalworking Fluid Consumption Value by Country (2020-2025) & (USD Million)

Table 167. South America Water-based Metalworking Fluid Consumption Value by Country (2026-2031) & (USD Million)

Table 168. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Type (2020-2025) & (K MT)

Table 169. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Type (2026-2031) & (K MT)

Table 170. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by

Application (2020-2025) & (K MT)

Table 171. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Application (2026-2031) & (K MT)

Table 172. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Country (2020-2025) & (K MT)

Table 173. Middle East & Africa Water-based Metalworking Fluid Sales Quantity by Country (2026-2031) & (K MT)

Table 174. Middle East & Africa Water-based Metalworking Fluid Consumption Value by Country (2020-2025) & (USD Million)

Table 175. Middle East & Africa Water-based Metalworking Fluid Consumption Value by Country (2026-2031) & (USD Million)

Table 176. Water-based Metalworking Fluid Raw Material

Table 177. Key Manufacturers of Water-based Metalworking Fluid Raw Materials

Table 178. Water-based Metalworking Fluid Typical Distributors

Table 179. Water-based Metalworking Fluid Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Water-based Metalworking Fluid Picture

Figure 2. Global Water-based Metalworking Fluid Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Water-based Metalworking Fluid Revenue Market Share by Type in 2024

Figure 4. Metal Removal Fluids Examples

Figure 5. Metal Forming Fluids Examples

Figure 6. Metal Protecting Fluids Examples

Figure 7. Metal Treating Fluids Examples

Figure 8. Global Water-based Metalworking Fluid Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 9. Global Water-based Metalworking Fluid Revenue Market Share by Application in 2024

Figure 10. Machinery Examples

Figure 11. Automotive Examples

Figure 12. Others Examples

Figure 13. Global Water-based Metalworking Fluid Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 14. Global Water-based Metalworking Fluid Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 15. Global Water-based Metalworking Fluid Sales Quantity (2020-2031) & (K MT)

Figure 16. Global Water-based Metalworking Fluid Price (2020-2031) & (USD/MT)

Figure 17. Global Water-based Metalworking Fluid Sales Quantity Market Share by Manufacturer in 2024

Figure 18. Global Water-based Metalworking Fluid Revenue Market Share by Manufacturer in 2024

Figure 19. Producer Shipments of Water-based Metalworking Fluid by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 20. Top 3 Water-based Metalworking Fluid Manufacturer (Revenue) Market Share in 2024

Figure 21. Top 6 Water-based Metalworking Fluid Manufacturer (Revenue) Market Share in 2024

Figure 22. Global Water-based Metalworking Fluid Sales Quantity Market Share by Region (2020-2031)

Figure 23. Global Water-based Metalworking Fluid Consumption Value Market Share by Region (2020-2031)

Figure 24. North America Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 25. Europe Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 26. Asia-Pacific Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 27. South America Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 28. Middle East & Africa Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 29. Global Water-based Metalworking Fluid Sales Quantity Market Share by Type (2020-2031)

Figure 30. Global Water-based Metalworking Fluid Consumption Value Market Share by Type (2020-2031)

Figure 31. Global Water-based Metalworking Fluid Average Price by Type (2020-2031) & (USD/MT)

Figure 32. Global Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 33. Global Water-based Metalworking Fluid Revenue Market Share by Application (2020-2031)

Figure 34. Global Water-based Metalworking Fluid Average Price by Application (2020-2031) & (USD/MT)

Figure 35. North America Water-based Metalworking Fluid Sales Quantity Market Share by Type (2020-2031)

Figure 36. North America Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 37. North America Water-based Metalworking Fluid Sales Quantity Market Share by Country (2020-2031)

Figure 38. North America Water-based Metalworking Fluid Consumption Value Market Share by Country (2020-2031)

Figure 39. United States Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 40. Canada Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 41. Mexico Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 42. Europe Water-based Metalworking Fluid Sales Quantity Market Share by

Type (2020-2031)

Figure 43. Europe Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 44. Europe Water-based Metalworking Fluid Sales Quantity Market Share by Country (2020-2031)

Figure 45. Europe Water-based Metalworking Fluid Consumption Value Market Share by Country (2020-2031)

Figure 46. Germany Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 47. France Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 48. United Kingdom Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 49. Russia Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 50. Italy Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 51. Asia-Pacific Water-based Metalworking Fluid Sales Quantity Market Share by Type (2020-2031)

Figure 52. Asia-Pacific Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 53. Asia-Pacific Water-based Metalworking Fluid Sales Quantity Market Share by Region (2020-2031)

Figure 54. Asia-Pacific Water-based Metalworking Fluid Consumption Value Market Share by Region (2020-2031)

Figure 55. China Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 56. Japan Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 57. South Korea Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 58. India Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 59. Southeast Asia Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 60. Australia Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 61. South America Water-based Metalworking Fluid Sales Quantity Market Share by Type (2020-2031)

Figure 62. South America Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 63. South America Water-based Metalworking Fluid Sales Quantity Market Share by Country (2020-2031)

Figure 64. South America Water-based Metalworking Fluid Consumption Value Market Share by Country (2020-2031)

Figure 65. Brazil Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 66. Argentina Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 67. Middle East & Africa Water-based Metalworking Fluid Sales Quantity Market Share by Type (2020-2031)

Figure 68. Middle East & Africa Water-based Metalworking Fluid Sales Quantity Market Share by Application (2020-2031)

Figure 69. Middle East & Africa Water-based Metalworking Fluid Sales Quantity Market Share by Country (2020-2031)

Figure 70. Middle East & Africa Water-based Metalworking Fluid Consumption Value Market Share by Country (2020-2031)

Figure 71. Turkey Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 72. Egypt Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 73. Saudi Arabia Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 74. South Africa Water-based Metalworking Fluid Consumption Value (2020-2031) & (USD Million)

Figure 75. Water-based Metalworking Fluid Market Drivers

Figure 76. Water-based Metalworking Fluid Market Restraints

Figure 77. Water-based Metalworking Fluid Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Water-based Metalworking Fluid in 2024

Figure 80. Manufacturing Process Analysis of Water-based Metalworking Fluid

Figure 81. Water-based Metalworking Fluid Industrial Chain

Figure 82. Sales Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

## I would like to order

Product name: Global Water-based Metalworking Fluid Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/G4BDF688EF9CEN.html>

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

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4BDF688EF9CEN.html>